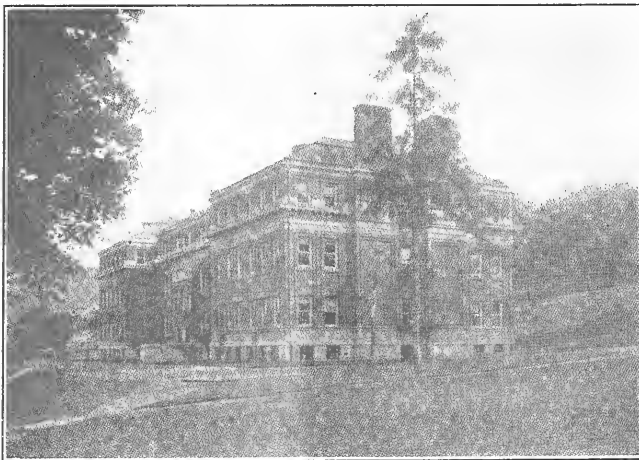


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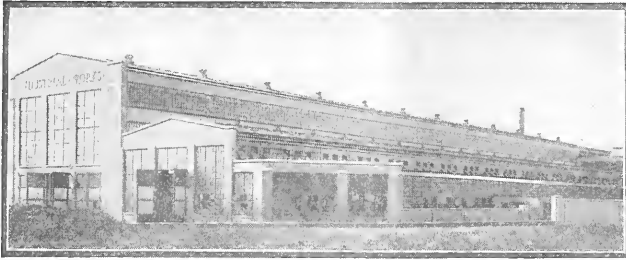
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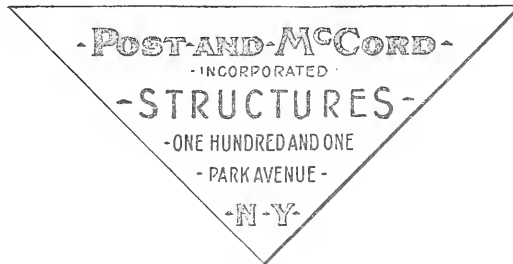
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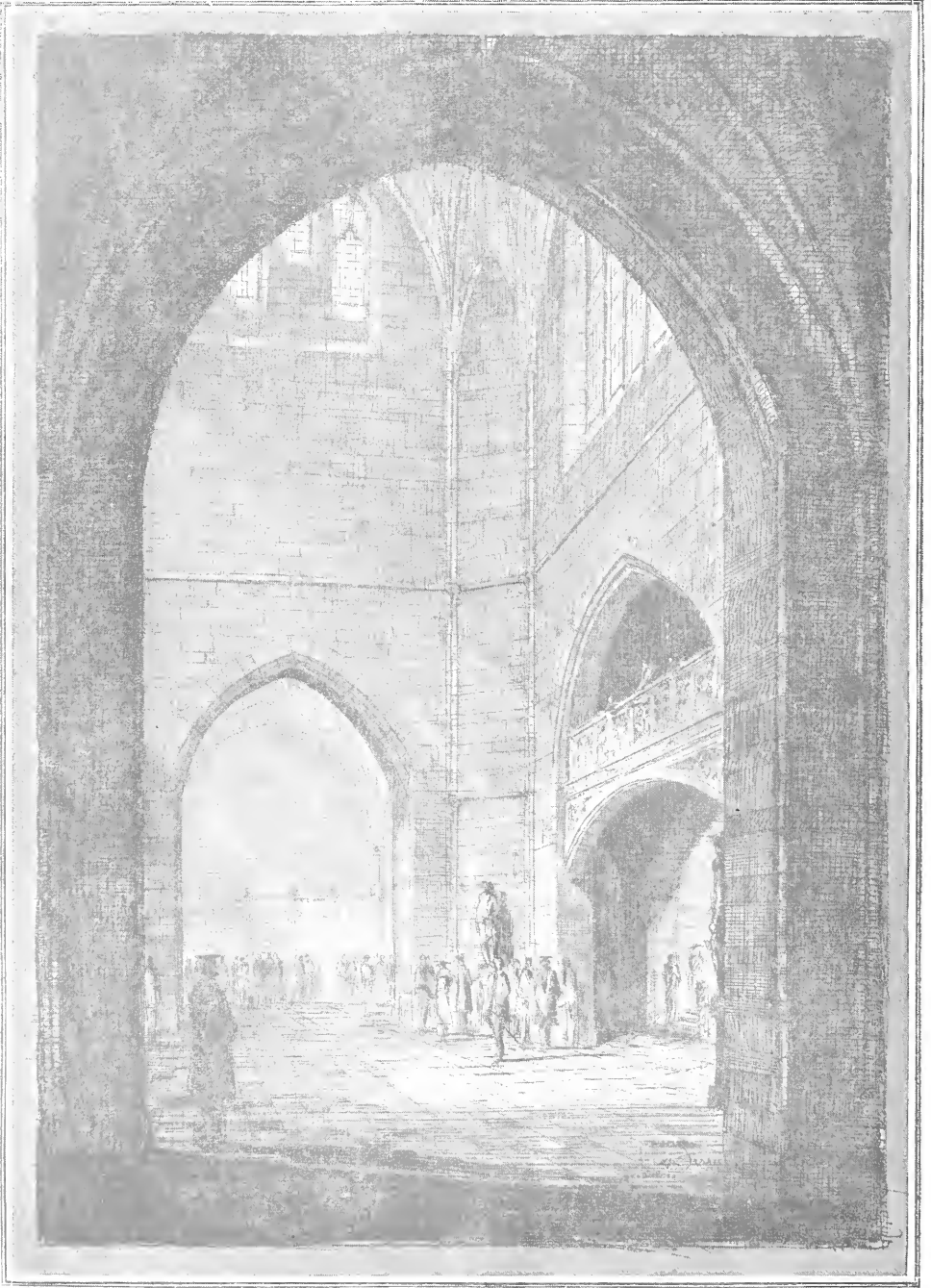
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OF

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NEWS AND COMMENT

Alumni Memorial Building

On the page opposite is a picture of the interior of the Memorial Hall as it will look when completed. It will serve not a single utilitarian purpose. This hall and the tower that rises above it will cost a lot of money and Lehigh is in great need of money for she lacks many things essential to her growth and efficiency. Why, then put money into something which can serve no material need? Such, perhaps, is the question which may arise in your mind. The answer will vary with the man who makes it. To my mind the answer seems clear and logical. "Man does not live by bread alone." If we can teach our boys the spirit of service, of loyalty to an ideal, of sacrifice for the common good we will have done more for the civilization and the advancement of the human race than is possible through the teaching of science or technology. If the future of our present industrial civilization rests on nothing but material thought and material achievement, its doom is already sealed. The spark of life lies deeper and something other than thought about our "bellies and backs" is needed to keep it alive. Would you have it flame high you must forget self as has been done by only a few men since life's history began. But those few and the greater number who have tried to follow them are the ones who have made for human progress and the others have added nothing that a few years will not destroy.

That tower and the great hall beneath it are our feeble attempt to do honor to that sudden flame of idealism and self-sacrifice which for a short time transfigured America. It is well for us to try to perpetuate the memory of that time. It is great to have lived through it and for a moment, at least, to have realized what we human beings are capable of at our best. Many a generation has lived and died without getting a glimpse of the divine spark that is really existant within us all. Covered up, crowded down, all but smothered most of the time, but there nevertheless. If it were not there we

would be but coyotes—jackals—hyenas. Because it is there it is possible for those who realize its existance to live this life unflinchingly and to face death with a smile. All we can do to show our belief in it and our faith in our race is well worth doing. And so this tower, raised in memory of the spirit and sacrifice "of those who served and those who died," will be to me the most useful structure on our campus and will share with our faculty the great task and privilege of teaching those who come after us how to live nobly and to die fearlessly.

* * *

Trustees and Alumni

For the past four months our trustees have been busy aiding President Richards in preparing the way for the improvements he hopes to effect in the organization and work of our University. A closer cooperation between trustees, alumni and the administration being needed the trustees have been planning for whatever is necessary in the way of reorganization to bring this about. Also the activities of the future are being considered and planned for. All of this has thrown upon your Alumni office much additional work and your Secretary has been obliged to neglect somewhat his regular duties in order to give the assistance asked for. Recognizing that it is unfair to the Alumni Association to ask the man they are paying to devote so much time to University business, the Trustees proposed to the Directors of the Alumni Association that the Association create a new officer—an Assistant Secretary—to take over part of the duties of the Secretary and agreed to be responsible for the additional expense involved. In other words the Association would continue to pay all its own expenses as in the past but the University would pay a certain sum yearly into the Association's treasury sufficient to cover the extra expense the Association is put to in doing University work. The Association, of course, is only too willing to do everything in its power to aid the Trustees and the administration and if

its revenues would permit would gladly do it without charge. For the present at least this is impossible and the Association has agreed, through its officers, to accept the proposition of the Board of Trustees.

The question of the man for this new position was one that needed much thought. It requires rather unique qualities and a certain willingness to sacrifice one's future for the sake of an ideal. Generally this altruistic turn of mind does not exist with the qualities required for success in alumni work. However, I felt sure that in A. E. Buchanan, Jr., Secretary of the Class of 1918, there existed just the man we wanted. A graduate Chemical Engineer, he had the right point of view for an alumni who are seventy-five percent technical in training. His experience, first in engineering production, then in executive work with the du Pont people and finally as Assistant Editor of "Chemical and Metallurgical Engineering," a McGraw-Hill publication, was just right. His success as Secretary of the Class of '18 proved he had ability along the lines required, and his willingness to consider the position was the last proof we needed of his fitness, for it showed his love for Lehigh subordinated his desire for financial success. So it is with great pleasure we announce that "Buck" will take hold as Assistant Secretary about the first of March.

* * *

The New Alumni Directory The many changes in occupation and residence, especially among our younger alumni, since the last Directory was issued in 1920 make it important that a new one be compiled. Accordingly the Alumni Office has started on this work. In order that it may be as accurate as is possible we intend to send to each man for whom we have an address a return postal on which will be pasted the proof of the data we now have for him on our filing cards. If this information is incorrect he can make the necessary changes and return to us. If correct as to occupation, business address and residence we want his O.K. before starting to print.

Our greatest trouble is going to be to secure the addresses of the many men for whom we have none. In this the class guarantee committees are helping greatly and we will advertise these names in the BULLETIN and hope for your cooperation in finding those chaps whose whereabouts

is unknown to us. We expect to really improve what "Jack" Hart, '12, calls "Okey's antique mailing list." "Jack", like many others, evidently feels that a secretary with a good imagination ought to be able to dope out correct addresses for our six thousand alumni. But I assure you that unless you fellows help the mailing list will not improve greatly. Honest-to-goodness, I can't guess 'em. I've got to be told.

* * *

President Richards' Plans They are growing apace and when June arrives he will have them in completed form to present to the alumni at our annual meeting. But before he completes them he desires to consult with the alumni and get their best judgment on the ideas that he, with the faculty's help, is developing. Accordingly some time soon, probably in April or early in May, he will ask the members of the Alumni Educational Committee and of the Alumni Council to come to Lehigh for a conference with him. At that time he will make to these men a preliminary report for discussion and will thus be able to secure the ideas of the alumni for incorporation in his plans where it seems advisable. Also he can determine definitely what alumni sentiment will be in regard to the things he deems necessary for Lehigh's future welfare. Each class and each club will be asked to send at least one representative and as many more as they will to this conference. This preliminary notice is to give these organizations an opportunity to pick their representatives.

* * *

Alumni Appreciation The continued ill health of Warren A. Wilbur, M.A. (Hon.), '20, for many years Secretary of our Board of Trustees, has meant a great loss in the efficiency of our Board. Last winter Mr. Wilbur from a sick-bed conducted the correspondence with Dr. Richards and called the meeting of the Board which elected Dr. Richards President of Lehigh. He got up from that sick-bed to attend that meeting, traveling to New York when he should not have been out of the house. This is merely a sample of the way in which he refused to spare himself and in consequence his health has been badly broken. For years he has given Lehigh daily thought and attention as did his father, E. P. Wilbur (nephew of Judge Packer), before him. We Lehigh men deeply appreciate his services to our Alma Mater and join in wishing him a complete recovery from his long continued ill health.

LEHIGH'S FUTURE TAKING ACCOUNT OF STOCK

Will you let me take you back for a moment to the first LEHIGH ALUMNI BULLETIN I edited, the issue of August, 1917? There on the Editorial page I made my pledge to you, my new employers. After stating emphatically that I had no pet theories of my own, nor of anyone, be he trustee, University authority or alumnus, that I wanted to advance, I said that I would keep you informed of the facts, listen to your comments and then try to reflect your point of view. I further promised that in these columns, in your club meetings, in your offices and in my letters to you I would talk to you frankly and try to keep you in touch with your college and informed as to its plans and policies. This pledge I have honestly tried to keep. My work for the past five years has been to carry out your wishes as expressed by your Board of Directors, your clubs, your class organizations and by you as individuals. It was impossible to do all that was suggested, but in the main your more important suggestions have been put into execution.

To be specific for a moment, let me mention a few of the things which you suggested and which I have tried to bring to fruition: The Memorial Building is the most important. Some of you have called it my project and have written saying, "I am sending you a check as a contribution to your Memorial Fund." I can take no credit for this beautiful building which is now arising on our campus. Another man suggested the idea of a Memorial and a second proposed that it take the shape of an Administration Building. A large representative Committee of Alumni made the decision that we should attempt this project. I merely worked for it as did five hundred other Lehigh men all over the country. The Life Membership Fund Campaign was another man's suggestion. The idea of making the BULLETIN monthly instead of quarterly was proposed by a dozen at least before I felt it was wanted and attempted it. The Alumni Council, the Alumni Educational Committee, the Alumni Committee on Athletics were all suggested ideas. The great alumni activity in securing our new president was the result of an almost unanimous alumni sentiment expressed in club resolutions as well as by hundreds of letters, that the Alumni should have a greater responsibility in the management of Lehigh.

My main contribution was to find the ways and means for raising the money necessary to do the work you wished done. In that I may have displayed some originality and I am mighty positive I missed very few bets. It was a case of "Root hog or die." and many a year I was afraid I would have a corpse on my hands before June rolled around. Now the classes are taking over the job of financing the Association and if they keep it up perhaps I may be able to do a better job for you in the constructive work you want done and which lies ahead in Lehigh's immediate future.

There is no question but what we all want is to have Lehigh acknowledged to be the leading University of its type in the country. I have heard that from so many of you, I am safe in saying that is our desired goal. What are our assets? What favorable factors can we count on? What are our weak points? And finally, who is going to put this across for us?

We have an admirable location, right in the center of the greatest industrial area of the greatest industrial country in the world. We are in close proximity to the greatest port in America, perhaps in the world. We lie right on the edge of the country's greatest fuel deposit. Mines of other character are not hard to reach. Pretty fair for a college that is primarily an engineering school.

We have one of the most beautiful campuses in America. Last summer I was driving a Cornell man through Sayre Park when he exclaimed, "Now I can understand the love of your alumni for Lehigh. Why, your campus is lovelier than Cornell's." He said it in an awe-struck voice, for I reckon the idea that any campus could compare with Cornell's had never before appeared in his consciousness.

We have a fairly good plant as regards buildings. Not enough, to be sure, and some of them inadequate and not perfectly adapted for the purpose for which they are used, but on the whole they are better than the average. Also they are very well placed to permit of future building and for the enhancement of the great natural beauty of our campus.

Our equipment is good in some departments and not so good in others. It is, of course, inadequate for any great research work.

We have wonderful traditions, and traditions count, and count heavily in keeping human folk up to the mark and making them work for greater things.

We have built up in the past fifty odd years an intangible thing called "Lehigh spirit," which in my estimation is our greatest possession, our biggest asset and the real factor that will solve our problem.

These then are our assets.

As to the factors which will help solve our problem, they are as follows:

A live board of trustees, who are re-organizing so as to better cooperate with our alumni.

An alumni body which, while small, is unique in its loyalty and also in the outstanding men it contains.

A faculty that is right on its toes and keen for a chance to show its metal.

An undergraduate body that has just given an exhibition of courage and spirit that has never been excelled.

And more than any other factor, a president who combines courage, determination, executive ability, large educational experience, great engineering ability and—a backbone. Several educators in the Middle West have said to me, "Lehigh has certainly been lucky. You have secured the best man that has been elected president of any American college in the last five years." We know we have been lucky. But it was time for us to have a little good luck. We sure have had a lot of bad luck in the last thirty years. We believe he is just as good as they say, and we're mighty sure he has got to be just that good in order to do the job he has undertaken for us, for here—

ARE OUR WEAK POINTS!

We have an entirely inadequate endowment to do even the work we have been doing, let alone attempting such things as enlarging and improving our faculty, erecting new buildings, adding equipment and installing an Engineering Research Station.

Only three million dollars, with an income a little over one hundred and fifty thousand a year! That is the endowment of this University of ours. Of course there are some small funds devoted to certain specified purposes, but they cannot be touched for general University purposes.

Our tuition fees are as high as the highest. No chance to get more income there.

The Packer Estate is settled and neither from this source nor any other outside of the immediate Lehigh family can we expect any money. At least not unless we create such sources by our energy and inspire them with our own enthusiasm and generosity.

A faculty which, like all other American college faculties, is poorly paid. No chance to grab big men for your teaching force when you have nothing to offer but hard work, little leisure, poor pay, no opportunity for research and not even a faculty colony to live among. Our faculty are scattered to the four winds of the heaven and are thankful, with the present housing problem in Bethlehem, to have a roof over their heads.

A budget for administration and for upkeep of buildings and grounds already inadequate. No chance for much income to be saved there.

In short, our weak points are really singular instead of plural. Our weak point is lack of money, with no existing sources apparent from which it can come.

Then who can put this great project of ours across for us?

The President? Why, boys, even the old Israelites with the help of Jehovah couldn't make bricks without straw. He'll try to do it? Yes! But he'll only break his great heart trying. Down on that football field at Easton last November a courageous captain led a Lehigh team into a seemingly hopeless fight. Cusick had ability of the first order, was a great tackle, a wonderful punter, a brainy leader, and he gave even more than he possessed, as all real leaders do. But the Lafayette team would have smothered him in the first five minutes if he had not had ten fighting mountain lions with him, who backed him in every play without a let up every second of the full sixty minutes. Not once did they fail him and not once did the thousand boys on the bleachers fail him. They went to Easton believing that their goal line could not be crossed by Lafayette, even though the greatest teams in the East for two years had been unable to hold Lafayette back. But what chance would Cusick have had if he had been left to do the job by himself? Well, just exactly the same chance President Richards will have if he is forced to fight this battle by himself. NOT A CHANCE IN THE WORLD!

The trustees are the team! The alumni are the student body! President Richards is merely the captain. Match him with courage, match him with work, match him with faith, match him with giving to the last ounce, as our team and student body matched Captain Cusick and we will surprise the college world just as Lehigh's football team surprised the football world on November 25 last. The trustees are two-thirds alumni and two out of the other five hold honorary Lehigh degrees, so really in the final analysis it is the alumni who are

the ones who will have to give the answer to this question, "Who is going to put it across for us?"

The trustees in the past two years have more and more shared their authority with the alumni. They recognize in the alumni Lehigh's stockholders. With authority comes responsibility. They are willing to give us all the authority we want providing we assume the responsibility. Not the responsibility of running Lehigh. That rests with the President. We select a man we have confidence in, just as the stockholders of a railroad select a president, and then we give him our moral and financial support and demand results of him. And, gentlemen, I tell you in all seriousness, with the utmost sobriety of statement, that we have in President Richards a man who can make of our college all that our fondest hopes

can picture. Few of us can hope to leave behind us any enduring work of our hands or brains. But if we unite in enthusiastic support of our leader we can leave in a greater Lehigh a monument for the ages, builded by our faith, our love and our unselfish loyalty. We will have created a college which will well justify these words recently spoken by Elihu Root:

"It is first of all our colleges that must teach the qualities upon which the future of our beloved country depends. The general, the statesman, the man of affairs, all pass away and are forgotten. But to have builded one's self into the structure of these undying institutions, to have aided the development of these priceless possessions of civilization, is to have not lived in vain, and it is to have lived in perpetuity."

NEWS OF THE LEHIGH CLUBS

President Richards and the Alumni Secretary Swing 'Round the Circle

How to tell the story of our barnstorming during January without constantly repeating myself is the problem I face. Seven dinners in the short space of two weeks, with the same story to tell at each place, does not give a subject which lends itself to variety. Dr. Richards remarked at the start that before we got through each of us would know the other's speech by heart. But practice gives ability and we managed to vary the words of the message without changing its spirit. I won't attempt to do more than give in the account of each dinner some single point that our President made. If you read all the accounts you will get his message. Elsewhere in this issue, under the caption of "Lehigh's Future," I give the groundwork of what I tried to tell my employers as I met them at the various dinners.

To quote Dr. Richards, we were everywhere "filled with food, smoke and enthusiasm" and we enjoyed every minute of it. A vital, throbbing Lehigh spirit pervaded every meeting and seemed to inspire each one of the hundreds of alumni we met. It augurs well for Lehigh and her future that her sons show such a deep and abiding interest in, and love for, her.

THE FOOTBALL DINNER We prefaced our first trip by attending, on January 8, a big dinner in the Commons, given by the undergraduates in honor of our football team. I had a perfectly delightful time, as I had been asked to act as toast-master and accordingly could enjoy the mental torture of the speakers as they awaited their turn without having to worry about the gradual approach of my own turn on the rack. The "Lehigh Six" furnished the music and we also had some of the inimitable songs of J. H. Opdycke,

'23. Not since the far-famed "Pete" Reese, '03, sojourned among us has the Lehigh student body produced such an original artist. Coach "Jim" Baldwin and Assistant Coach Paul Larkin spoke, as did Paz-zetti, "Bosey" Reiter, Captain Cusick, Captain-elect Springsteen and Dr. Richards. The event of the evening was the presentation of gold footballs inscribed, "Defeated but unconquered," to the men who played in the Lafayette game.

LEHIGH CLUB OF NORTHERN NEW YORK Early the next morning, January 9, we started on our Odyssey, travelling to New York first, where we spent an hour or two with Burley, '94, and Visscher, '99, the architects of the Memorial Building, who are helping President Richards in the preparation of plans for future campus development. Then on to Schenectady (Reist, '86, says no stranger can spell that name, but if I've got it wrong, I'll blame it on the linotyper). At the station we were met by John Anderson, '10, President of the Club; R. W. Wieseman, '16, Secretary-Treasurer, and C. P. Turner, '94, "the God in the Car" (being an engineer with no culture, I can't say *Deus ex machina*). We travelled between great piles of snow to the Mohawk Club, where we were to stop and where the dinner was held an hour or two later. Not only were the Lehigh men of Schenectady and the vicinity present at that dinner, but some of the General Electric Co. engineers over in Pittsfield discovered that they had urgent business at the Schenectady plant and came over to attend the dinner and incidentally (perhaps) to attend to the said business.

Dr. Richards opened his talk that evening by telling of seeing Rosenblatt, the great Jewish tenor, on the train that

brought us to Schenectady and of one of the passengers saying that this virtuoso received \$3000 a night for his services. "I wish," continued the Doctor, "that I could sing a song of Lehigh that would be equally productive." He then talked of the study he is making of the business and educational methods at Lehigh, of her plant and equipment, of her faculty, of her present needs and her future requirements "if she is to be the great leader in technical education which you all tell me you wish her to become." He warned his hearers that it is quite impossible to revolutionize things in a day, a month or a year, but he hoped for a gradual and steady improvement, provided the means for effecting such an improvement were forthcoming. When he was first approached by the Nominating Committee it was made clear to him that both trustees and alumni wished Lehigh to be second to none among technical schools, and being an engineer, this appealed to him and he decided to cast his fortunes with those of the University. "I have been delighted and inspired with the cordiality of my reception and, in spite of the difficult problems we face, your great interest makes me optimistic that we will be able to successfully solve them."

Dr. Richards' address was followed by a talk by "Okey" and the meeting was thrown open to general discussion by the toastmaster, John Anderson. H. G. Reist spoke on the subject of research and C. P. Turner, '94, of the need for Lehigh Alumni to come to the financial aid of the University and proposed a plan whereby each alumnus would contribute 2% of his annual income to her support. A number of the diners agreed to try this plan for a year, paying into a "Lehigh" account at one of the local banks their percentage. The outcome of the novel plan will be watched with great interest. The discussion became general and it was midnight before the meeting started to break up.

LEHIGH CLUB OF WESTERN NEW YORK The next morning, January 10, after breakfast with J. J. Frank, '94, who was one of the guests from Pittsfield, we were put on an Albany trolley by Turner and at Albany we caught the train for Buffalo. Richard Stockton, '10, the genial Secretary of the Club, met us and we were taken to the Buffalo Club, where we were to spend the night. Our rooms were not ready, but Stockton put us into the capable hands of Henry F. Russell, '96, who piloted us into the "cooling room" (Dr. Richards misunderstood and thought "Rusty" was going to put us in the "cooler" for the night), where we got rid of some of the soil of travel, after which Russell guided us to the University Club, where the dinner was held.

The President of the Club, H. W. ("Hookey") Baldwin, '96, was the toastmaster and, introducing President Richards,

he spoke of the great interest aroused among the Alumni by the search for a president and the need for a stronger Club in Western New York to support the new administration.

Dr. Richards said he was getting a lot of fun out of these trips to the different clubs and was particularly amused by the fact that at every meeting there had been comment on his appearance. Some of the men seemed disappointed that he did not have a long flowing beard, several were surprised that he was not at least a foot taller and one man expressed his pleasure that he was just a "common, ordinary engineer like the rest of us." He wondered "just what kind of an animal the Alumni expected a college president to be."

He told of a story related to him by a trustee of Lafayette at the time he delivered the Founder's Day address at Lafayette last fall. (By the way, our dear enemy conferred another Doctor's degree on our president at that time.) The story runs that Asa Packer was originally a Presbyterian but when he went to Mauch Chunk he was displeased with the way he was received by the Presbyterians of that town and transferred to the Episcopal Church. Years later when he was looking for a college to endow that it might carry out his dream for the broader education of the youth of our country, his attention was attracted to Lafayette. He had about decided to make his gift there when he heard that Lafayette was a Presbyterian school. Immediately the Judge said, "Nothing doing," and went to Bethlehem, where he founded a University of his own.

"Whether this story is true or not, the University founded by Asa Packer grew in size and reputation until it became, towards the end of the last century, the leading technical school in the country. But it has always been a teaching college and not done much to contribute to the store of human knowledge. It is true that Mansfield Merriman's text-books were a tremendous contribution to the literature of engineering and they represented analytical research. Many other members of the faculty have made similar contributions and in chemistry and one or two other subjects Lehigh has done some scientific research. But generally speaking, she disseminated rather than sought knowledge. By general consent the time has come to put research on a plane of importance comparable with teaching. Lehigh's location is such that once this plan is under way she can rightfully expect much cooperation from the many industries of the region in which she is located. And whatever may be the scientific or technical value of the results of this work, there is no doubt of its inspirational value for both faculty and students. Nothing will so much contribute to the reputation of Lehigh as for her to take her place among the institutions that are doing their share to advance knowledge. Never before has there been such a great

need for more exact scientific data and the casting aside of the empirical methods of our forefathers. Any institution that aspires to the name of a university must do its share in adding to the world's stock of knowledge as well as to aid in disseminating that which now exists."

The toastmaster then called on another guest, William C. Dickerman, '96, one of the Board of Trustees and a member of the Nominating Committee who succeeded in securing Dr. Richards' consent to come to Lehigh. Dickerman said while he had always had a strong feeling of loyalty towards his college, it was only lately that his eyes had been opened to her many problems. The years of enforced economy have doubtless worked detriment to the University. The trustees have called in the alumni and given them authority and that authority entails responsibility. Rough specifications for the future have already been drawn. It is intended to establish Lehigh as the premier engineering college of the country and make of the Lehigh graduate an outstanding representative of the engineering profession.

The last speaker was the Alumni Secretary, who made what one of the diners informed him was "a spiritual address." I'm still trying to figure out whether he was kidding me or got confused with something a near neighbor of his at the table was using to prevent influenza.

DETROIT We had picked a bad time LEHIGH for a dinner in Detroit as CLUB January 11 was during the week of the automobile show in New York and a number of Detroit Lehigh men were, of course, out of town at this time. This we learned from R. S. Drummond, '06, and R. M. Neff, '14, Secretary of the Club, who met us on our arrival. After going first to the Hotel Fort Shelby, where we were to stop and where the dinner was to be held that evening, we were driven to the Ford plant. There Drummond's influence secured us a special guide and we spent much of the afternoon in learning of this last word of industrial efficiency. Drummond is Vice-President of the company Noble Banks, '93, heads, and they ought to make a great team, judging from the vastly opposite way in which they drive a car. Banks is easily the most careful driver I have ever ridden with (they say in Detroit he was once arrested for speeding, but this I am sure is a vile calumny), while Drummond would make a New York taxi driver blush with shame over said taxi driver's relative inefficiency in hitting the high spots only. We sure brushed the mud off of a dozen street cars and autos, but we never scratched their paint. Finally he cleaned a street car to starboard while he dusted off a limousine to port, skidded on the icy car tracks as he

shot out between them and then, as he cut across the bows of the limousine, calmly questioned, "My driving does not make you nervous, does it, Doctor?"

Well, anyway, we got back to the hotel without a single cop stopping us and met a fine crowd of fellows there. George K. Reel, '07, President of the Club, presided during the dinner and the half-hour session of singing that immediately followed the dessert. Then he called for election of officers with the result that N. C. Banks, '93, was elected President; S. P. Hess, '10, Vice-President, and W. A. Draper, '07, Secretary-Treasurer. R. M. Neff, the retiring Secretary-Treasurer, made a report on the athletic cup the Club has secured, to be competed for in track sports by the Detroit High Schools, and he was authorized to act as a committee of one to present the cup.

When Dr. Richards was called upon, he talked very intimately and concretely of Lehigh's needs and problems. Lehigh, he said, needs several new buildings in order to properly do the great work she is planning. A metallurgical laboratory is a very pressing need and a new mechanical-electrical laboratory is also necessary for the proper work in these courses. The library has reached its capacity in housing volumes. As a library is a growing thing, new stack space will be constantly needed. As to reader space, the present library is totally inadequate. The best modern practice provides reader space for at least 20% of the college enrollment. That would mean 200 men, and every Lehigh man appreciates how impossible it would be to get that number into our present reading room.

As to our equipment, it is good in some departments but quite inadequate in others. The John Fritz Testing Laboratory is outstanding and there is no better in the country. The equipment for chemistry is fair. The electrical equipment is good but poorly housed. On the whole, there is real need for improvement in our equipment for the daily work of the departments, to say nothing of research.

More than anything else, however, we need more men on the teaching staff. In the Department of Biology, for instance, there is one professor and one part time assistant to teach biology, bacteriology, botany and zoology. If the professor gets sick, there is no one to carry on the work. In other words, in many of the departments there is no factor of safety.

After a speech by the Alumni Secretary, there were speeches by Reel, '07; Draper, '07, and W. L. Woodruff, '88. They all expressed the feeling that Lehigh's needs must be met and met promptly by the alumni. The discussion that followed showed the keen desire of the men present to be on the firing line and they asked that the Detroit Lehigh Club be assigned a definite work to do.

CHICAGO When we arrived in Chicago, LEHIGH there was S. E. Lambert, '89, CLUB awaiting us at the station.

After we procured a "yellow" taxi-cab (Lambert wouldn't ride in any other kind. Don't know whether he is superstitious or owns stock in the company), he took us to the Union League and installed us there. Later in the day he conducted us to the University Club, where the dinner was held. It was a very large gathering for a district with so few Lehigh men and included several from a distance. President Judson, of Chicago University, and Mr. DeWolfe, President of the Purdue Chicago Club, were guests. Purdue, you know, is Dr. Richards' Alma Mater.

On the same floor the Alumni of the University of Maine were also holding a dinner and at the start the guests got a little mixed, as there were plenty in both parties who were strangers to most of their own compatriots. However, H. W. Kern, '92, our genial Chicago Secretary, soon got the Lehigh crowd straightened out and gave an exhibition of remembering names that would have done credit to that one-time master of the art, Matthew Stanley Quay.

In the absence from home of the President of the Club, H. M. Byllesby, '78, Lambert acted as toastmaster and a more capable and felicitous one it has never been my good fortune to listen to. Early in the meal my old friend, W. D. Towner, Alumni Secretary of the University of Maine, arrived on the scene to carry to us the text of a resolution just passed at the Maine dinner, giving to us most cordial greetings and good wishes from the Maine Alumni. After the cheering had died down and Towner had left us, a clamor arose that we respond in kind at once. But Lambert stilled the clamor and insisted we eat our dinner and await inspiration before acting. Being a lawyer, he knew from his professional experience that it pays to postpone all action as long as possible as meantime something may happen to obviate any action and the fee in consequence be collected without undue effort. Great fellows, these lawyers. It was mighty good advice, for later someone hit on the stunt of carrying our greetings in a body. A parade was formed and we marched to the inspiring strains of "Everybody takes their hat off to Lehigh" to the dining-hall where the Maine Alumni were assembled. Not having any hats on, they did the next best thing and all arose and greeted us with great applause. After a P-rade around their room, which left them encircled by a ring of Lehigh men, we read our greetings, presented President Richards and President Judson to the president of the University of Maine, exchanged several rounds of cheers and marched away. The whole affair was most enjoyable and added spice to the evening's entertainment.

President Judson was the first speaker and told of his great admiration for engineers. He spoke of the many great engi-

neering works in all parts of the world he had seen and congratulated Dr. Richards on having been called to head an institution so noted for its engineering product. He spoke of his personal knowledge of Dr. Richards' character and capabilities and stated that Lehigh was indeed to be congratulated in having secured such a man for President.

"Okey," who followed, told the story of the Lafayette game and drew an analogy between the spirit of the undergraduates in supporting the team with the spirit the Alumni would surely show in supporting Dr. Richards.

President Richards in opening said: "One of the things that attracted me to Lehigh was the outstanding quality of her graduates. I am astonished to find the numbers who are leaders in their various fields. In fact Lehigh men seem to have a strangle hold on the steel industry and much more than a toe hold in the anthracite industry. They include in their comparatively small number many of the leaders in all the great industries and in the engineering profession. Lehigh has always been a small college but her requirements for graduation have been, and still are, most stringent. This may be, and probably is, the reason for the success of her graduates. Also in a small college it is possible to do much better work than in a large one. The rapidly increasing size of the student body at the great universities is a matter of grave concern." He then told of the visit we had made the day before to the Ford plant and said that with the increasing size of these universities the work will more and more become like that in the Ford plant. The student will move as though on a conveyor past the members of the faculty and as he passes one man will screw up a nut here and another one there. To be sure he will come out a finished product, but without having secured the inspiration which comes from close personal contact with his professors, which inspiration is perhaps the most important thing any man gets out of his college course.

A discussion followed, during which it was determined to effect a revivification of the Chicago Lehigh Club so that it would be able to function effectively in the work that so evidently lies before Lehigh's Alumni.

WASHINGTON After a lapse of ten LEHIGH days the "barnstormers" CLUB started out again on the "big-time." On January

24, President Richards and Secretary Oke-son boarded a train for Washington. Arriving at the Union Station, they were met by Major C. E. T. Lull, President of the Washington Club, and R. B. Swope, '10, and were driven to the Cosmos Club and installed in pleasant rooms there. Later we were taken to Rauscher's, where we found a beautifully arranged and decorated table

set for sixty people. This meant a fifty per cent. turnout of every Lehigh man, graduate and non-graduate, in the entire district in and around Washington. A most remarkable showing.

One of the delightful occurrences of the evening was the appearance of Herbert Hoover, Secretary of Commerce, who came on the invitation of Luther Becker, '04, one of his assistants in this Department.

R. B. Swope was in charge of the singing and at no club was there better results in this line than at Washington. It kept the dinner lively from "soup to nuts."

Major Lull, as toastmaster, opened the speechmaking by telling of the Lehigh of the past and our great debt to her and love for her. He then spoke of President Richards' dream for Lehigh's future and pledged the support of the Washington Alumni in his efforts to realize those dreams.

Dr. Richards said he had been receiving a great deal of advice since he came to Lehigh. One of the first things that happened after his election was to have one man say to him, "You have got to put the skids under some of those fellows up at Lehigh and I'm the guy who can tell you who they are." He laughingly said that if he were to take all the advice he had been given he would have to fire the entire faculty, get rid of the board of trustees and in general scrap the entire plant. "Then in a year or two, no doubt, I would be requested to fire the President." Then in a serious vein he outlined the very real problems at Lehigh. The need for more buildings, better equipment and especially for a larger and better paid faculty. He spoke of his belief that a more liberal and less highly specialized education was the crying need in an engineering college today. He traced the growth and change in technical education during the past hundred years and told of Lehigh's part in its development. He read an extract from a recent article by Dr. Wesley C. Mitchell, which appeared in the January number of the *Journal of the Society of Mechanical Engineers*, in which Dr. Mitchell spoke of the time that Adam Smith was lecturing on economics and James Watt was experimenting on the steam engine back in 1750. Fellow members of the same university faculty, they had little idea that each could contribute to the other's science. Yet today the economist is finding he must learn to think quantitatively and the engineer is finding the need of a broad knowledge in political and social economy. Dr. Richards then continued: "Among thoughtful engineers there has come the realization that if the engineer is to take his rightful place he must be more broadly trained. I hope that in this educational evolution Lehigh may take a leading part."

Hoover's Address

Secretary Hoover, when called upon, said: "I have been greatly impressed while I have listened to this extraordinarily lucid exposition, not only of the problems of Lehigh, but the problems of American college education, and more especially of technical education." He said that when he had graduated, 26 years ago, the engineer had found it hard to take his place as a leader in industry. Today, however, the great majority of industrial executives are college trained engineers. Therefore the major problem is to train our engineers to become executives. They must have a broader foundation educationally. The old-time training in technical specialties is of very secondary importance. "Dr. Richards' reference to Dr. Mitchell's article pulls on my imagination because Mitchell says the economist must reduce his science to a quantitative basis. I doubt if the economist will ever do this. It is the engineer who reasons in this manner and it is unlikely that the economist will invade the field of quantitative valuation of economic forces. Most blunders in government are due to improper weighting, which, in turn, gives improper relative values. The engineer will enter into public life with a potency and effectiveness not shown by the economist or lawyer, because both are given to qualitative reasoning and qualitative statements of fact." He went on to say that the engineer must solve the problem of capital and labor. The engineer will find this solution but he will not find it through constantly increasing wages or through the inflation of profits.

"All the things we hope for in the future must take their root in our educational institutions. Lehigh stands high among them and must do her full part. We have to depend on the endowed colleges for the standards of education in America. The inspiration and lifting up of the state universities must come from the independent colleges, because it is impossible for the state to carry out any enterprise with the efficiency possible in the endowed colleges.

"We have an obligation to our college, at a minimum equal to the amount that institution has expended on us. That obligation is great because we incurred it at a time when we could ill afford to pay. This amount of money does not belong to us and should be returned for the education of the students of the future. If this was done, the financial problems of our colleges and universities would be solved.

"The president of a college should have the unfaltering support of the alumni as they are dependent on him to maintain the reputation of their college. Alumni generally fail to grasp the simple fact that the president of any college must look for inspiration to its graduates. Lehigh has had a great past and it is the business of you Lehigh men to look after her future."

The Hon. Archibald Olpp, '03, Congressman from New Jersey, spoke entertainingly

of his career. It was a real human document showing his struggles to obtain a college education and then his further efforts to put himself through a professional school (Arch. is a Doctor of Medicine.). Then his early adventures in building up a practice and finally his successful essay into politics. All was given with a humerous twist, but his hearers could read between the lines. All through his talk ran also his deep love for and loyalty to Lehigh.

The last speech was by "Okey" and following it President Lull again pledged the Washington Lehigh Club to unfaltering effort in supporting Dr. Richards in his inspiring program for Lehigh.

MARYLAND LEHIGH CLUB When we arrived in Baltimore, on January 25, we were met by A. J. Kutzleb, '13, Secretary of the Maryland Lehigh Club, and W. D. Janney, '83, member of the Executive Committee, and were taken to the Southern Hotel, where the dinner was to be held. Another fifty per cent. attendance disclosed the efficiency of the Secretary and Dinner Committee as well as the loyalty of Maryland Alumni. Altogether 61 men sat down to table that night, a number slightly in excess of any previous meeting during January. W. Frank Roberts, '02, President of the Club, presided and in addition to Dr. Richards and Okeson they had as guests Mr. Wilmer DeHuff, Principal of Baltimore Polytechnic, from which school Lehigh draws largely, and Mr. Thomas H. Hacker, President of the Cornell Maryland Club. (Dr. Richards received his M.S. degree at Cornell.)

After the dinner we had some enjoyable entertainment. An excellent quartette gave a number of selections and a delightful magician kept us laughing at his remarks when we were not applauding his mystifying feats. An election resulted in the re-election for the coming year of the present officers.

Dr. Richards spoke of his appreciation of the large turnout and the cordial reception he had received not only in Baltimore but from the Alumni everywhere, "The Bethlehem people, too, have been most kind and cordial towards Mrs. Richards and myself, although I fear some of them were disappointed in finding I did not wear chaps and a sombrero. One lady said to Mrs. Richards, "You must be glad to get into a civilized country." He spoke of the advice he was receiving and told of how he had received from the Class of '02, of which class the toastmaster is president, a knotted war-club. The presentation of this gift was accompanied by the remark, "If you don't know how to use it the Class of '02 will be glad to instruct you."

In speaking of the development of technical education in this country, President Richards told of the opposition of the exponents of the older classical education to this new development. General Walker,

the first President of Massachusetts Institute of Technology, told in an address of the head of a department in an Arts College who, on learning of the inauguration of a new department, exclaimed, "Thank God, that its work has no application to the practical affairs of life." This was a very general attitude of mind among the older educators and doubtless technical education has gone too far in gradually pushing out the broader liberal subjects in favor of the many technical specialties thought necessary because of the rapid expansion of the engineering industry. The first stage of technical education was the grafting on of scientific work to the existing classical course. The next stage, the crowding out of cultural subjects by technological specialties. We are now entering on the third stage or cycle. Lehigh, which was wise in its generation in refraining from putting too much emphasis on practical work for its engineering students, should lead the way in revising the present curriculum to permit of more liberal education for engineers. It probably will be necessary to eventually increase the length of collegiate preparation for engineering to five or even six years, as is the case with the so-called learned professions, law and medicine. Certainly an engineer, with the great duties that lie before him in the future, needs as much preparation as a doctor or lawyer.

Dr. Richards spoke with great feeling about the insufficient remuneration of the faculties of American colleges. He stated that at Lehigh our worst feature was the meagre pay of the Associate and Assistant Professors, by whom the bulk of the teaching work is done. He insisted that it was impossible for a man on the salaries paid to live respectably and at the same time invest each year on himself enough to make for his development as a scholar and teacher. Also the college cannot hope to compete with industry for men of the type they require unless reasonable remuneration is offered. "You ask for improvement in our teaching methods and our teaching personnel. How can you expect it if you do not get men who would be leaders in any field they entered? And how can you expect to get leaders for a less wage than you pay bricklayers? After a man has spent a half dozen years in his engineering education and another half dozen in acquiring experience in industry and learning to teach, we give him the magnificent salary of \$2100 a year and expect a man capable of inspiring our students to accept it with the possibility that after another eight or ten years he may become a full professor and receive four or five or at the most six thousand dollars a year."

Dr. Richards was followed by Mr. Hacker, who brought greetings from the Cornell Maryland Club, and Mr. DeWolfe, who told of the new methods just put into effect at the Baltimore Polytechnic. The Alumni Secretary wound up the proceedings and,

although it was after midnight, Dr. Richards was held in conversation by the enthusiastic members of the club for an hour more. There seems little question that, under the leadership of Frank Roberts, the Maryland Lehigh Club can be depended on to enthusiastically support President Richards in his great work.

PHILADELPHIA LEHIGH CLUB After arriving in Philadelphia on January 26, we lunched with Franklin Baker, Jr., '95, at the Union League, and then as we walked towards the Bellevue-Stratford, where the dinner was to be held, we were attracted by the sight of a big brown flag (eight by twelve feet, I afterwards discovered) that floated from the front of that hotel. On it, in great white letters, was "Philadelphia Lehigh Club." "Aha!" exclaimed Baker, "Bernie is at work." Certainly no one was able to travel on South Broad Street without having the fact brought to his notice that this was Lehigh's day.

The dinner was held in the South Garden on the roof of the Bellevue and one hundred and twenty-five of the faithful assembled to do justice to the eats, to hear the distinguished educators who were to be guests and, primarily as well as finally, to greet Lehigh's new president. This dinner marked the thirtieth birthday of the club and its anniversary was certainly most fittingly celebrated.

President B. T. Converse, '99, called the meeting to order after the dinner had been dispatched and announced the first in order of business was the election of officers for the coming year. With only a few interruptions, H. S. Miner, '88, was permitted to read his ticket. This ticket was elected and is as follows:

President—J. Watts Mercur, Jr., '13.
First Vice-President—R. H. Morris, '89.
Second Vice-President—E. W. Estes, '20.
Secretary-Treasurer—Moriz Bernstein, '96.
Assistant Secretary—L. Bevan, '21.
Trustees—Franklin Bakes, Jr., '95,
Robert Farnham, '99.

The Secretary-Treasurer, Moriz Bernstein, then read his twenty-fifth annual report. He told of the first list of club members and read the names of the original members who were present at this dinner. He also read the list of members of the club who had died during the year. His report as Treasurer showed assets (mostly cash and liberty bonds) of nearly \$700.00.

The President then turned the meeting over to Morris L. Cooke, '95, who acted as toastmaster. He called first on "a great chemist and a great public spirited citizen, Provost Smith, of the University of Pennsylvania."

Dr. Smith told us of his early experiences when, as a professor at Muhlenberg, he used to come down to Lehigh to study the Roepper collection of minerals. "I make my acknowledgment now to you sons of Lehigh for the information I gathered in

this clandestine manner." He spoke emphatically of the need for engineers to have a broader training, saying that two years in general subjects should precede any engineering training. He called on Lehigh's Alumni to help Dr. Richards "put across his new plans for your college." In closing he welcomed President Richards, saying, "I am delighted you have come into the old Keystone State and to Lehigh. You have joined a goodly company and these men here are going to help you in your work."

President Comfort, of Haverford, said he wished to speak *with* us and not *to* us. He spoke of the great common heritage of college men—loyalty to their Alma Mater. Some men seemed to think that could be best expressed by supporting their fraternity or returning once a year to a football game. This attitude he decried. "We should never lose sight of what are the real requirements of a college education. The fraternities and athletics are merely side-shows. There is no better way we can show our deep love and consecration than by giving attention first—to bettering moral conditions that surround the students and, second—seeing to it that our college has such support from alumni as will insure it getting the best men for our faculties."

President Aydelotte, of Swarthmore, was told by the toastmaster that Lehigh men held one thing against him, namely, that he had gone hunting in the closed season and bagged Raymond Walters. President Aydelotte responded by saying he did not know many Lehigh men but if they are all like the ones he knew, Lehigh is to be congratulated on its output. He spoke of Samuel Butler's "Erehwon," which tells of a country that had banished machines because the inhabitants feared they would be enslaved by them. He said it was not a bad picture of our civilization, for machines were gradually mastering us, and called on the engineers who had created them to humanize their use.

The toastmaster in introducing Dr. Richards told him the alumni feeling was expressed in the words of the Dartmouth undergraduate addressed to President Hopkins on his inauguration: "You don't have to win us. You have won us. All we ask is to know your plans in order to help you."

President Richards said in response, "This is the tenth alumni dinner that Oke-son and I have attended and I have enjoyed every minute of them all. I hope as the years go by, even if I don't accept all of your advice, I may hold your esteem and affection."

"Nearly sixty years ago a wise man following a guiding star journeyed to Bethlehem and there founded Lehigh, which has come to be recognized as an outstanding college of its class. Judge Paucker did not intend it to be exclusively technical, but it was his idea that technical science should

receive strong emphasis. So instead of a purely technical school we have a University with three colleges—Engineering, Arts and Commerce. This gives us great advantages in training young men. Association with the men in the other two colleges gives the student by absorption other viewpoints than his own and he realizes that there is more in the world than the few subjects he is studying.

"When I came to Lehigh it was generally agreed that the enrollment was to remain at practically the point it had reached, that is to say in the neighborhood of one thousand. The studies we have been making seem to indicate, however, that some increase in the enrollment of the Colleges of Arts and Science and of Business Administration is necessary for their efficient administration. It would seem that if each of those colleges grew to reach an enrollment of 300 and the engineering college to 900 the increased efficiency would enable us to take care of this number of men without any added expense other than would be covered by the added tuition fees. If I find that this is so, I will present a recommendation to the Board of Trustees that a gradual increase of enrollment be effected with a maximum of 1500.

"In no case will Lehigh be ever anything but a small college, as the advantages of the small college over the large are too great to be lost sight of. But it is necessary than in building for our engineers a more liberal curriculum, the faculties of the Colleges of Arts and Science and of Business Administration be strong and composed of men able to inspire the undergraduate. It is hard to secure and hold this type of man if you do not give him sufficient of what in medical parlance would be called 'clinical material'."

"The crowding of the engineering curriculum with technical specialties has left little in these courses that savors of broad culture. This has gone too far. Curricula must be revised. This will not be easy, as each Professor is naturally imbued with the importance of his own subjects. But I hope to persuade our Lehigh faculty of the need for liberalizing our engineering courses."

President Richards spoke in detail of Lehigh's needs in buildings, equipment and increased teaching staff to properly take care of our present enrollment. He especially emphasized the need for additional productive endowment so that the salaries might be made commensurate with the service demanded of members of our faculty. He expressed his strong hope that in the near future research would be put on a plane of equal importance with teaching. Not one of the alumni present could fail to be impressed with his earnest determination to make Lehigh that which we are all asking for, "the leading college of her type in America."

The evening closed with a talk by the Alumni Secretary, in which he brought

home the fact that only by and through alumni cooperation could President Richards hope for success.

DISTINGUISHED SERVICE CROSS FOR MAJOR PATCH

On Monday, January 22, in the University Chapel, Major Patch, of the Military Department, who will succeed Major Lang as head of Lehigh's R. O. T. C., was decorated by Major General Charles H. Muir with the Distinguished Service Cross for gallantry in action. Major Patch belongs to a military family, his father having been a famous Indian fighter and several other members of the family have been army officers.

The College turned out en masse for this ceremony. Dr. Richards introduced General Muir and told of the General's enviable service record. General Muir, by the way, was commander of the Twenty-Eighth Division (Keystone) during the late war. After the ceremony the General made a short address to the undergraduates.

The citation accompanying Major Patch's medal was as follows:

"Joseph D. Patch, Major of Infantry, then Major, 18th Infantry, First Division. For extraordinary heroism in action near Chaudun, France, July 18th, 1918. The leading battalion having encountered heavy resistance, and his battalion having been ordered to pass through the leading battalion, Major Patch, because so many of his officers and men had been killed or wounded, with the greatest courage, coolness, and efficiency, personally led the assault of his battalion on the final objective. As a result of his fearlessness and leadership, the objective was carried and he was severely wounded."

The figures obtainable covering this engagement show that Major Patch entered it with a battalion of 25 officers and 1250 men, of whom 2 officers and 86 men were the uninjured survivors.

LEHIGH RIFLE TEAM

Opening the season with last year's crack squad intact our Rifle Team has won eight straight victories, some against exceedingly strong opponents. One victory was from Lafayette and we are pleased to note that it was a most decisive one. The scores in these six matches were as follows:

Lehigh.....	494	Va. Poly.	492
Lehigh.....	490	Vermont	474
Lehigh.....	498	Syracuse	492
Lehigh.....	247	Wisconsin	245
Lehigh.....	496	Nevada	414
Lehigh.....	497	Lafayette	464
Lehigh.....	497	Georgetown	493
Lehigh.....	593	Gettysburg	592

Lehigh University

BY CATHERINE DRINKER BOWEN

CHAPTER XVI

DEPARTMENTAL AND HONORARY SOCIETIES. STUDENT HONORS.

One of the most consistently active of the departmental societies at Lehigh is the oldest, the one which began in 1871 as the Chemical Society. In a few years the society changed its name to the Chemical and Natural History Society, and under this title engaged lecturers from all over the country. Mr. Du Chaillu, of New York, told them about the "Land of the Midnight Sun," and Mr. Waterhouse Hawkins, of London, expounded one of the burning questions of 1874—according to Mr. Bryan, it still sends up a few sparks—under the title of "The Gorilla and Other Monkeys Contrasted with Man." Like others of its kind, the Society has had its ups and downs, particularly its downs, but always rescues itself from extinction by giving a banquet in the laboratory. These banquets obtain lavish publicity, and the uninvited can always read next day how the scientists drank out of test tubes and had mortars and pestles instead of plates and forks like other people.

The Engineering Society came next, in 1873. With this Society the ups and downs were rapid and extreme. It published the *Journal*, and later the *Quarterly*, and eventually threw off smaller clubs, which in their turn became independent societies. The Mining Engineering Society appeared in 1884, the Society of Mechanical Engineers—known always as the "Mechanicals"—in eighty-seven, and so on until every active course had its society, including the "Classicals," the Architects, and the "Mathematicals." Sponsored by Professor Blake, the Arts and Science Club appeared in 1905.

The honorary society of Tau Beta Pi was founded at Lehigh in 1885, largely through the inspiration of Professor E. H. Williams, of the class of seventy-five. Admission to the society may be granted to students in the College of Engineering, who up to the middle of their Junior year maintain high scholarship. This society has since been adopted by the leading technical schools of the country.

The Lehigh chapter of Phi Beta Kappa was established in 1887, with Bishop M. A. DeWolfe Howe as President and Professor Williams as Secretary. The fraternity, founded at the college of William and Mary in 1776, has ninety-one chapters. Living members from Lehigh numbered in 1921, one hundred and thirty-two. Professor Palmer, who in 1914 succeeded Professor Goodwin as President, says that "at Lehigh the Fraternity has done much toward keeping a worthy goal in scholarship before the eyes of the student body. The Chapter has been unusually conservative in its selection of men, requiring of Arts men a qualifying grade for seven terms of not less than 80 per cent., and of the technical student a still higher grade of 85 per cent. in such purely literary or scientific work as may be in their courses. As many Arts men as qualify may be elected to membership, but no more than four technical men may be elected in any one year. The fraternity stands first and foremost for the traditional arts course, but has been quick to recognize unusual ability in any line."

"From time to time the Lehigh chapter has sought to bring before the teaching force and student body its ideals as interpreted or illustrated by one of the Fraternity's distinguished members. For years the Phi Beta Kappa oration was a feature of Commencement Week, the speaker a man of prominence in educational or national affairs. Due to the crowding of Commencement Week, the annual oration has been omitted during the last few years. Its place has been taken by a banquet, given in conjunction with the Lafayette chapter, at which some man of national reputation is invited to speak."

The Register for 1866 records three Foundation Scholarships for each class, "entitling the holder, nominated by the Founder and appointed by the Trustees, to room-rent and tuition free." In addition, there were two Competition Scholarships for each class, granting rent, tuition and board, and conferred upon such applicants for them as passed the best examination for admission. There was a dreadful condition attached to these honors—"Holders of scholarships," the Register announced, "must be models of excellence." What a sentence to frame and hang over the Sophomore bedstead! What a nightmare to wake and see it there!

These scholarships, with the admonition attached, no longer exist, their places are taken by scholarships and loan funds given to the University by friends. The oldest and best known of these is the Wilbur Scholarship, founded in 1872 by Elisha Packer Wilbur. It grants \$200 annually to the Sophomore of highest standing. Among the Wilbur Scholars are names known today to all Lehigh men: Arthur Meaker in 1875, Charles L. Taylor in '76, Preston Lambert, Walton Forstall, Eugene Grace, W. F. Roberts in 1902, and a host of others who overcame so gallantly the perils of the Sophomore year.

Sitting in the chapel on Commencement Day, mothers and sisters and best girls hold their breath and fidget while Professor Thornburg reads off the names of the prize winners. There are the Williams prizes in English, established by Professor Williams; the Price prize for English Composition, given by Dr. Price, of the class of '71; the Chandler prizes in Chemistry, the John B. Carson ('76) prize for the best thesis among the Civil Engineers, the Wilbur prizes, and the Alumni prizes. These last are given from the income from the Alumni Scholarship Fund, originally designed to help poor students, which was in 1900 diverted to its present purpose. In 1921 two prizes of twenty-five dollars each were awarded to the first honor men among the Mechanical, Metallurgical and Mining Engineers, and the intention is in subsequent years to award them to the first honor men of the other technical courses in turn. In 1882 the Alumni Association established the prizes for which the Junior Orators compete on Washington's Birthday.

There are colleges where the rivalry for prizes is keener than at Lehigh. Many laments have been raised because Lehigh students will not come out for the competitions. Perhaps the undergraduates feel unconsciously that the prizes are not true measures of ability. Perhaps they are satisfied that a Lehigh diploma is the greatest prize of all.

CHAPTER XVII TOWN AND GOWN

A stranger alighting at the Bethlehem station could explore the town on the south side for many miles without seeing so much as a trace of the University. He might find steel works and foundries and silk mills; he might take away with him the impression that Bethlehem is a humming industrial center, with possibilities for illimitable growth. And right he would be. But because Bethlehem does not wear in any way the aspect of a university town, does not mean that Bethlehem is not conscious of the University. She is, intensely conscious. Beside the money and the business brought in yearly by the college, town and gown have other ties, sentimental ties, ties of loyalty. Naturally, these sentiments are most in evidence in football and in baseball seasons, when at the gates of Taylor Field the townsmen drop their nickels—figuratively speaking—in the L. U. A. A.'s hat. Not every pocket swings lighter for this transaction.—the Elks and the Rotarians are brave with their bets, and Lehigh often wins! But we were not talking of wagers, we were talking of nickels, and the L. U. A. A.'s hat, and we were about to say that those athletic fans with the greatest assortment of pockets—the small boys—have their pockets filled with marbles, and jack-knives, and bits of string—with everything, in short, except nickels. So they avoid the gate, and the hat, and come in over the fence, and tumble into whatever part of

the stands they are allowed to occupy. Here they sit, packed tight,—here they twist and wriggle and fight and squeal. They know the name and history of every player on the Lehigh side,—led by a college cheer-leader, they give the Lehigh yells in a shrill, eager treble. Were the reputation of a Lehigh player assailed, they would rush upon the slanderer and devour him. Their brothers of maturer years are, in their way, as loyal. These are the gentlemen whom the writer knew long ago,—at that blissful age of pigtails, and bloomers, when to roam the campus was one huge adventure, when “Lehigh” and “Lafayette” were synonymous for good and evil,—at this vivid age, then, she knew the above gentlemen under the name of “Townies”. She knew, too, that should the worst come to the worst, should the fell hand of circumstance prevail, and should the maroon and white grow loud and swollen with victory, she knew that these Townies were friends, and would with bare fists defend the honor of the “Lehighs”.

But, rumor whispers, it was not ever thus. True, from time immemorial, a Townie would fight for Lehigh against Lafayette; who, indeed, would not?—but it is whispered that the bare fists would also, and often, descend upon Brown and White territory. Forty years ago, it will be remembered, colleges, in this land of the free, were few and far between, and the inmates thereof were looked upon with suspicion. They were “Dudes”. Yes, dudes, even at Lehigh. When, in the nineties, the papers were full of the impending legislation at Harrisburg designed to grant two hundred and fifty thousand dollars to the University, a local—not a Bethlehem—newspaper protested the grant on the score that Lehigh contained a “greater number of dudes than any college in the country.” A dude, we are told in an old number of the *Lehigh Burr* (1881), belongs to that class who “brush their hair into their eyes and wear tight pants.” When, strolling on the street, the exquisite with the bangs and the tight pants meets up with a Townie, and the latter is constrained to pass some remark upon all this fashionableness, what is bound to happen? We were about to “leave it to the imagination of the reader,” but it occurs to us that a goodly number of our readers can tell us from experience just what actually happened! Alas for the tight pants! Alas for Shanty Hill!

Shanty Hill lay east, above the old campus, beyond the Brewery, where Price Hall now stands. It was between the Shanty Hillers and the students that the fight waged thickest, but there were others in the town who did not wholly understand the Lehigh student. For instance, the toll collector on the New Street Bridge. In the Spring of 1888 the *Burr* carried a long column of mourning for the death of the bridegroom’s dog, “that noble animal, our late lamented friend. If one poor, unprotected individual who has not paid his toll, say for two or three years, attempts to cross the bridge, he is confronted by the tollmaster, accompanied by a large club. A detour is generally necessary, and of late those who cross this bridge have great faith in the adage that there is (some) safety in numbers.”

Nor did the Bethlehem police force find itself in entire sympathy with the student body. Month after month, the *Burr* voiced its grievances—“The Bethlehem Police Force having been renovated to the extent of the removal of that excrescence on its symmetrical proportions, ‘Snyder’, the incomparable, the invincible. . . . There is only one point on which the average Bethlehemite is clear, namely, that he is entitled to every dollar that he can wring from the hapless student, and as to the rest, he will go out on the street and yell with the others, ‘string the rascals up.’ Arrests have been growing so frequent of late that one runs a great risk if he stops for a moment on the street to speak to a friend, or, to while away the time, indulges in some college song.” It was this indulgence in song, apparently, that tried the very souls of the Pennsylvania Dutch cops. Very likely the singer added impudence to tunelessness.—at any rate, he rarely got beyond the first verse before he was invited to sing the rest to the Judge. One April night,—this was in 1890—the Glee Club had a concert, and the girls of the “Fem Sem” (short for Moravian Female Seminary) were

not allowed to come. Late that night, to console the ladies, the concert was being repeated under the windows of the Fem Sem, when—Oh, dreadful! In full view of those rows of dormitory windows, filled with clusters of ravishing female heads, the cops descended and bore off the gallant serenaders. This was too much. The indignation was so intense, the lamentations rose so loud, that the Justice discharged the boys and the cop was prosecuted.

Then there was the little matter of Sol Fry's barber pole. Sol Fry, as the after dinner speakers are so fond of saying, needs no introduction here. He used to announce himself in the *Burr* after this fashion:

"Rah! Rah! Rah! Rah!

L. U. L. U.

Fry Bros., Barbers,

Opposite Eagle Hotel."

It would take an Einstein to compute how many Lehigh heads Sol Fry trimmed in his day, and how many stories he told while the shears elicited. "Yessuh, one night come foh, five students an say, Will I sell 'em mah pole? They gimme good price, so I sells it to 'm, an' off dey goes down de street a-carryin' it. Putty soon, 'long comes de cop, jessa man they was a-lookin' fer, an' 'rests 'em fer stealin' dat pole. They speaks up an' says they warn't no stealing' 'bout it; they bought 'at pole an' paid fer it. 'No, suh,' says de cop, 'Ah got you fellahs dis time. Tell it to de Jedge.' Half the kids in town was yellin' roun' 'em by now, 'sides all dey frien's an' 'quaintances fum de college. When they git to City Hall de cop tunes up an' tells de Jestice all 'bout it. Jes' then one o' de boys puts a han' in his pocket an' pulls out mah bill o' sale, an' passes it 'long up to the Jestice. Jestice laffs fit ta kill, an' all de kids an' students at de window laffs wid him." Yessuh, they was one sad cop in dis town dat day!"

Another famous Lehigh barber, black, like Sol Fry, used to advertise in the *Epitome*, like this:

"Chas. W. Welch, T.A., Ph.D., F.O., C.M., C.A.,

Wyandotte Hair Cutting and

Facial Decorating Palace.

Hair Cutting and Shaving with Ambidexterous Facility."

The Eagle Hotel, "Mrs. M. B. Hoppes, Prop.," was another steady advertiser, and boosted Bethlehem as "A delightful mountain resort. Scenery is picturesque. Drives are delightful. Boating is excellent."

But, most alluring of all advertisements was that of

"Fatzinger's Restaurant, So. Beth.

Fancy Mixed Drinks a Specialty.

Punehes in Bulk of all Descriptions mixed at Short Notice."

Of all Descriptions—in bulk—at short notice—Ah, what a harvest for the cops! Rennig's New Street Restaurant was a faithful advertiser; one flippant graduate of the nineties hints of the existence of Lehigh souls for whom the name of Rennig's conjures up even closer associations than—Paeker Hall!

We have remarked elsewhere upon certain bonds of sympathy existent between the University and the Fem Sem. When Dr. Appleman wished to recommend his services to the young gentlemen of Lehigh, he advertised in the college papers as "Dentist to the Young Ladies' Seminary". If the students liked the Young Ladies, and at times condescended to dalliance with the same, still, they were careful to keep the Female in her proper place. About 1883 the *Burr* burst into lively columns deriding the new fangled notion of co-education. "The University is placed by its endowment far beyond the reach of any popular eraise of this description. Now there are colleges for women and there are normal schools where no man seeks to enter; why cannot women treat our Universities and technical schools with equal courtesy?" Whatever was the matter? Had some fair Fem Sem threatened to depose the editor of the *Burr*? The *Burr* continued for some years to express itself on the subject of co-education, until a soft-

hearted editor in 1882 went so far as to indulge in sentimental reflections as to just what things would be like with the girls on the campus. He imagines the swish of skirts (this was thirty years ago, when skirts really *swished*)—the swish of skirts as some dainty creature stepped into Jim Myer's room in Packer Hall and says, "Jim, give me a pink absence slip!" He ends by saying he hasn't been able to decide whether we want the co-eds or whether we do not.

If the student view of education was entirely emotional, his ideas on politics were no less so. As a rule, he paid little or no attention to politics; in 1886, for instance, the only allusion to political affairs, national or local, was contained in some press clippings describing President Cleveland's honeymoon. For one form of support, however, the student could always be counted. Whenever there was anything to yell for, the boys were ready to yell. On election night in 1888, when the returns from the Cleveland-Harrison campaign were coming in, the cheers of the students were so loud, says the *Burr* (which forbears to mention just where the boys were assembled), that they had to be stopped "by the proprietor." After this we hear no more of the Republican and Democratic Clubs until 1892, when, "amid the wildest excitement and enthusiasm," the Lehigh University Democratic Association endorsed Grover Cleveland as its choice for President. In a few years the Republican reaction had set in. Lehigh sent delegates to the convention of the American Republican College Clubs—which in 1894 had a membership of ten thousand students, from seventy-two colleges. Chauncey Depew, Senator Lodge and the Honorable J. P. Dolliver spoke to them, and these orators so fired their young hearers with the soundness of the "Sound Money" idea, that they returned to their respective colleges and straightway formed Sound Money Leagues, at Lehigh as elsewhere. Decidedly, W. J. B. buttons were not at a premium on the Lehigh campus. And then everybody remembers Coxey's Army, offshoot of the panic of 1894-97, cohorts of tramps marching to Washington, threatening death and destruction to the government. The *Philadelphia Record* for April, 1894, contained the following: "But the news that has brought the greatest joy to the hearts of Marshal Jones and his cohorts came in a letter from J. W. Ponsonby, a student in the Civil Engineering Department of Lehigh University, in which he says that after a careful canvass of the college, he can assure Marshal Jones of a company of 100 enthusiastic, able-bodied collegians, with two instructors, and possibly one professor!" To this Dr. Coppée, then Acting President, indignantly replied in the *Brown and White*, "Permit me to say through your columns that the statement is entirely and utterly false. There is no Ponsonby in the University, and our students are respectable gentlemen, not tramps." Spoken like the old soldier that you were, Doctor! Not merely false, not merely a mistake, or a misprint, but *entirely and utterly false!*

The redoubtable Coxey had no Lehigh students in his ranks, but it must be confessed that undergraduate interest in national affairs was usually manifested in jovial rowdyism. True, they sent delegates to the inauguration of President Roosevelt in 1905, and to the Students' Meeting of the National Arbitration and Peace Congress held in New York in April, 1907, but the Lehigh Democratic and Republican Clubs throughout their history have wisely and consistently confined their political activity to vocal demonstration and hearty libations to the healths of the favorite candidates.

Dr. Lamberton, himself no unskilled politician, during his administration was at pains to strengthen friendly ties between town and gown. It is interesting to read the report of the Commencement exercises in 1888. The procession, we are told, entered the Chapel as follows:

Foehling's Orchestra, of Philadelphia
The President of the Board of Trustees
The Board of Trustees
The Faculty
The Alumni

The Graduating Class.
James Myers bearing the Diplomas
The Undergraduates
The School Board of the Bethlehems
The Town Councils of the Bethlehems

Members of the Lehigh Faculty have from time to time taken part in town affairs; they have served on the Library Board, the School Board—Professors Palmer and Diefenderfer have in recent years been members of the School Board. Professor MacNutt has been Burgess of Fountain Hill. In early years, H. Stanley Goodwin, General Superintendent of the Lehigh Valley Railroad, for a number of years Demonstrator in Civil Engineering at the University, was elected Chief Burgess of South Bethlehem, and was much beloved in the town. Harvey Housekeeper, of the class of 1872, served for years in the double capacity of secretary to Dr. Coppée and principal of the South Bethlehem High School. Afterwards he became Instructor of Physics at Lehigh, but continued his town connections by teaching physics at the Lehigh Preparatory School (founded by William Ulrich in 1878). In 1894 he was elected Chief Burgess of South Bethlehem.

Another man to serve as Chief Burgess was Robert S. Taylor, '95, elected Chief Burgess of Bethlehem in 1905. In 1921, Walter R. Okeson, '96, Executive Secretary of the Alumni Association, was elected President of the Chamber of Commerce of the City of Bethlehem, to succeed Robert E. Wilbur, '04. "For several years," says the ALUMNI BULLETIN, "Mr. Okeson has represented Lehigh on the Board of Directors of the Chamber. While Lehigh University is not an industry nor a commercial enterprise, nevertheless it is one of the big assets of Bethlehem, bringing into the city almost a million dollars every year. On the other hand, the prosperity of Bethlehem reacts to produce a greater prosperity for Lehigh. Many projects promoted by the Chamber of Commerce, such as the new hotel, directly benefit the University."

The President of the University is constantly called upon to take part in civic enterprises, particularly along philanthropic and educational lines. He sits on platforms with mayors, aldermen, and High School dignitaries; he hands diplomas and prizes to mankind and womankind in all their seven stages, from Sunday School to Business College. For the sake of his Lehigh boys he finds it profitable to be on good terms with the Chief of Police as well as with the hospital authorities. "Boys," said Mayor Sheehan, dispensing fatherly advice to a knot of students the Chief had brought before him—and then referring to Dr. Drinker, "Boys, I want to tell you, you've got a good, safe man!" A good, safe man! From a city politician! What better recommendation could be offered?

The most consistent contact between town and gown has lain, perhaps, in the University lectures, and extension teaching. In the early nineties commenced the Bethlehem lectures of the American Society for the Extension of University teaching, and later the lectures were continued under the auspices of Lehigh University. The lectures were free to all, and the speaker, usually a Lehigh professor, who every week ascended the Central High School platform, was sure to find a large and enthusiastic audience. On this subject the *Bethlehem Times*, edited at that time by W. W. Mills, '89, was rhetorically expansive: "This liberal policy will be of great benefit to those who have aspirations after wider knowledge, and will also bind together more closely the people of our towns and the noble institution which is the head of our educational system." Extension work at Lehigh has since that time been developed and amplified by Professor Hughes. Summer School for teachers is conducted each year, various problems are selected for study, and specialists secured as lecturers. In 1921, for instance, the courses were concerned chiefly with methods for teaching exceptional children, both subnormal and mentally gifted, and a demonstration school was conducted in one of the Bethlehem school buildings, where were undertaken numerous clinical studies of children.

In 1920 the Lehigh University Evening School of Business Administration was opened. The enrollment represents employees of industries, commercial organizations and banks in Bethlehem and neighboring towns, and the School, which meets on four evenings of the week, aims "to give scientific training in business, and to provide a sound understanding of the structure, organization and functioning of industry, commerce and finance, and of the general causes and criteria of prosperity and depression."

We began this chapter with a rash statement about a stranger who tramped all over town without seeing so much as a trace of the University. On second thought, we are inclined to believe that the man must have arrived at Christmas time, or during certain rare weeks in summer when the engineers were enjoying time off. At all other seasons he must have run into a student on every block, particularly after five o'clock in the afternoon. And even a stranger would know a student from an everyday citizen. Not that the boys wear Brown and White on their sleeves, but they have a conventional college garb which is unmistakable. They all dress exactly alike. One decade sees them "brush their hair in their eyes and wear tight pants," another knows them in patent-leather hair and sailor bottom trousers,—whatever the style is, the student follows it. His aim is not so much dandyism as self effacement; he has a ready instinct for protective covering. You cannot find him, you oldsters, at the old haunts, for the old haunts are no more; Rennig's is gone, and Charlie's,—the Colonial—even the mild Jake, with his sodas and his sandwiches. If they are gone, where are their rivals? It is not for us to say; *we* never knew the Charlies, and the Colonial. But there exists one Chaplin, and a Fairbanks, and a Pickford—these three personages, given a student, thirty-three cents and a Saturday night (or, for that matter, any other night)—these three personages will get their percentage of the thirty-three cents; or, at least, they could get it, and unflinching, when these pages were written. So, fathers, when you come to town unannounced on some fine evening, and want your sons, and can't find them at the House—try the Movies. Ah, you will say, the slightest hint of scorn in your voice, times aren't what they once were. Movies—pooh!—in my day we'd have been out painting the town red! But in your hearts perhaps you are just as glad that times are not as they once were,—perhaps, after all, you did not paint the town quite so scarlet as you think. And if you did, *you* didn't have to pay the bills. The shoe is on the other foot now.

Ralph Dravo, '89, Heads Pittsburgh Ordnance District

In the January issue of "The Nation's Business" there is an article by the Secretary of War, John W. Weeks, entitled "Enlisting Business in Peace." In this article the Secretary outlines the steps that are being taken by the War Department under the National Defense Act, passed by Congress in 1920, to effectively mobilize our industry during peace time so that if another war comes we will be ready to set to work without lost time or motion to produce the materials to equip our armies. The country has been divided into thirteen ordnance districts and in each a district chief has been appointed to whom is assigned a regular army ordnance officer as executive assistant. In this article we note that the man picked for chief of the great Pittsburgh district is Ralph M. Dravo, B.S. (in Metallurgy), '89, who you will remember was chief of this district during the late war and was decorated with the Distinguished Service Medal in recognition of the re-

markable work accomplished by him and his military assistant, Major H. H. Scovil, '98.

William Bowie, '95, Addresses Canadian Engineers

In the January 4, 1923, issues of "The Citizen," of Ottawa, Canada, there is a long account of addresses made to the Engineering Institute of Canada by Mr. G. T. Rude, Chief of Division of Tides and Currents, and William Bowie, '95, Chief of the Division of Geodesy, of the U. S. Coast Survey. Bowie's subject was "Topographical Maps and their Relation to Prevention of War." The paper stated that Bowie was in Ottawa to confer with Mr. Noel Ogilvie, the Director of the Geodetic Survey of Canada, in connection with Geodetic work which is being carried on by both countries.

Previous to Bowie's Canadian visit he attended the meetings in Ann Arbor, Mich., of the Assoc. of American Geographers and of the Geological Society of America, reading papers before both societies.

CLASS GUARANTY PLAN

TO MAKE OUR ALUMNI 100% ACTIVE AND 100% EFFICIENT

There are some marked changes in the diagram on the opposite page since the last issue. Our general average has jumped from 33% to 39%, but this is due to special efforts put forth by a few classes. The largest individual percentage gains are: '86—12%, '91—7%, '94—9%, '97—11%, '04—12%, '05—9%, '06—7%, '10—10%, '14—19%, '20—10%, '21—9%. As you will note, the Class of '14 made the largest gain. Due to an error on my part I gave '83 a larger percentage than was due them last time, making it 77% instead of 71%, accordingly while they really have gained they apparently have dropped from 77% to 74%. This leaves '98 the only class across the finish line, where they stand with the proud percentage of 81, more than double the average. '03 proved it could be done last year. '98 has proved it can be done in two months time if everybody hustles. So when you realize there is four months between now and June it should not seem to great a task to even the classes who as yet have not got under way.

It is mighty pleasing to note that '74, '88, '91, '94, '04, '14 and '18 have touched or passed 50%. On the other hand '75, '76, '77, '00, '11 and '16 are still below 25%. The fact is that none of these classes have started their campaign, and only three of them, '00, '11 and '16, have so far agreed to put on a campaign. Watch these last three and I am sure you will see a change in another month.

One of the most interesting things about the whole campaign is the number of men engaged in it and the enthusiasm they are displaying. Of course their letter-writing produces some misunderstanding. The members who have always paid their dues regularly don't understand why they get letters instead of statements (one statement was sent out July 1, 1922, but none since the letter-writing campaign started).

Often the committees themselves forget to say what the dues are for their class. Therefore it is well to repeat this scale. The amount given covers dues plus BULLETIN subscription.

Classes 1918 to 1922, inclusive....	\$3.00
Classes 1913 to 1917, inclusive....	4.00
Classes 1908 to 1912, inclusive....	5.00
Classes previous to 1908.....	7.00

As far as I have been able to secure them the personnel of the letter writing committees of each class is as follows.

Committees

- 1883—A. E. Forstall, Chairman; George G. Hood.
 1884—A. Parker-Smith, Chairman.
 1885—G. W. Snyder, II, Chairman.
 1886—H. Toulmin, Chairman; H. G. Reist, E. S. Stackhouse.

1887—C. A. Buck, Chairman; F. S. Smith, R. W. Lee.

1888—H. S. Miner, Chairman; F. S. Bates, C. N. Eutler, G. H. Davis, G. P. Dravo, R. H. Honeyman, A. E. Lewis, Jr., C. D. Marshall, C. H. Miller, H. S. Neiman, G. M. Painter, C. J. Parker, A. G. Rau, C. E. Raynor, O. Rickert, E. B. Wiseman.

1889—W. A. Cornelius, Chairman; A. Johnston, S. E. Lambert.

1890—H. A. Foering, Chairman; M. B. Tate, F. R. Coates, E. J. Prindle, H. J. Sherman, T. A. Straub.

1891—Walton Forstall, Chairman; A. Eavanson, H. T. Morris, E. A. Quier, D. A. Usina.

1892—H. H. Davis, Chairman; C. M. Case, P. H. W. Smith.

1893—S. B. Knox, Chairman; R. C. H. Heck, R. F. Gadd.

1894—J. I. Beinhower, Chairman; J. O. Burley, W. J. Douglas, T. G. Empie, J. J. Frank, Geo. Hutchinson, W. H. Kavanaugh, J. E. Little, Geo. Shepherd, C. P. Turner, T. W. Wilson.

1895—R. S. Taylor, Chairman; C. T. Ayres, F. Baker, Jr., C. K. Baldwin, F. L. Castleman, M. L. Croke, E. C. DeKay, L. S. Duling, J. J. Gibson, I. M. Higbee, W. A. James, E. B. John, W. B. Keim, W. S. Murray, W. R. Okeson, W. G. Whilden, H. A. White.

1896—R. S. Laramy, Chairman; A. D. Ayres, H. B. Ayers, S. M. Dessauer, F. A. Daboll, G. R. Enscoe, D. Hall, C. S. McCalla, L. A. Olney, M. W. Pool, J. T. Simpson, J. W. Thurston.

1897—A. H. Serrell, Chairman; A. L. Saltzman, Treasurer; H. E. Hale, T. Merriman, J. H. Pennington, M. H. Putnam, S. P. Senior, H. R. Van Dwyne, G. L. Yates.

1898—H. H. Scovill, Chairman; P. Bucher, G. Davies, L. S. Horner, O. Luckenbach, D'Arcy Roper. (There are several others whose names I am not sure of.)

1899—A. W. Klein, Chairman; C. F. Carman, R. Farham, E. G. Grace, W. Gummere, G. A. Horne, R. R. Horner, G. L. Jackson, C. P. Matheson, A. Shimer, J. S. Viehe, T. C. Visscher.

1900—I don't know whether we have a committee or not. I have written a lot of letters but no one seems to want to take the chairmanship. At one time I thought I had a chairman for this class, but it is so long since I've heard from him that I am not sure he intends to function.

1901—C. Evans, Chairman; C. Enzian, S. T. Harleman, E. T. Murphy, H. D.ENZIAN.

1902—A. A. Diefenderfer, Chairman; R. M. Bird, W. F. Roberts.

1903—J. A. Frick, Chairman; G. F. Cassidy, C. S. Curtis, H. W. Eisenhart, A. R. Fram, A. R. Glancy, R. Hunt, C. I. Lattig, E. T. Miller, E. R. Morgan, A. E. Olpp, D. Smith, E. W. Sprague, W. P. Tunstall, M. A. Walker, N. A. Wolcott.

1904—R. P. Hutchinson, Chairman; F. P. Sinn, J. L. Beaver. (There are others, but I don't know just who they are.)

1905—N. E. Funk, Chairman; J. D. Berg, R. G. Kirk, N. Merriman. (There were 11 others on the original committee whose names I do not know. Funk writes me this committee of 15 has been expanded to include every man who has paid his dues.)

1906—"N. G." Smith, Chairman; "Walt" Benedict, "Dave" Brilliant, "Stepper" Gott, "Buzzer" Dean, "Tommy" Lueders, "Percy" Pyne, "Lord" Salisbury, "Russ" Wait, "Frank" Wrightson.

1907—C. L. Bachman, Chairman; R. S. Archibald, G. M. Baker, E. S. Foster, R. J. Gilmore, C. A. Gross, A. W. Hesse, G. K. Herzog, G. M. Jacobosky, E. F. Johnson, G. E. Kent, W. Meyers, L. D. Moore, A. J. Moyer, E. Schweitzer, B. M. Swope, R. W. Walters.

1908—W. D. Sanderson, Chairman; H. F. Bach-

CLASS GUARANTEE PLAN STANDING OF CLASSES JANUARY 30, 1923

SCALE					Members with Addresses	Paid 1922-23 Dues	Paid 1922-23 Bulletin Subscription	Percentage Paid to Jan. 30
0	25%	50%	75%	100%				
1869					1	0	0	0
1870					4	1	1	25
1871					4	1	1	25
1872					8	0	0	0
1873					6	0	0	0
1874					5	3	3	60
1875					14	3	3	21
1876					13	2	1	19
1877					14	3	3	21
1878					9	4	4	44
1879					9	4	4	44
1880					8	2	2	25
1881					8	4	1	39
1882					7	3	2	39
1883					29	22	20	74
1884					21	8	7	37
1885					24	9	7	35
1886					35	17	15	47
1887					46	19	17	40
1888					64	34	28	50
1889					58	28	21	45
1890					65	23	18	33
1891					65	34	31	51
1892					59	20	15	31
1893					77	32	26	40
1894					79	47	44	58
1895					113	57	43	47
1896					110	32	26	28
1897					85	42	39	48
1898					91	74	74	81
1899					52	23	21	43
1900					69	15	12	20
1901					68	22	19	31
1902					54	17	14	30
1903					92	46	44	49
1904					100	57	55	56
1905					123	54	51	42
1906					118	47	45	39
1907					129	41	40	32
1908					141	45	43	31
1909					148	45	44	30
1910					152	61	59	40
1911					122	24	24	20
1912					140	37	36	26
1913					146	40	41	28
1914					139	73	72	52
1915					136	48	47	35
1916					154	36	34	23
1917					176	51	50	29
1918					146	80	81	55
1919					167	55	53	32
1920					182	90	88	49
1921					184	67	63	36
1922					215	77	79	36
					4288	1678	1664	39

man, F. A. Collins, Jr., W. C. Duncan, J. W. Ganser, H. J. Jackson, C. M. Longaker, W. E. McCann, W. J. Priestley, F. E. Troutman, A. N. Van Vleck.

1909—D. M. Petty, Chairman; W. A. Drisler, P. B. Fraim, R. L. Klar, A. S. Osbourne, W. C. Stobeaus, T. M. Uptegraff, W. R. Walters, J. H. Yeung, L. C. Zollinger.

1910—M. L. Jacobs, Chairman; G. H. Bingham, H. M. Fry, H. C. Gerwig, R. P. Moore, J. H. Pierce, J. H. Rowan, A. J. Standing, H. P. Smith, W. E. Smith, R. H. Street, R. B. Swope, R. N. Williams.

1911—D. R. Lowry, Chairman; J. L. Becker, W. E. Fairhurst.

1912—J. A. Hart, Chairman; H. M. Benjamin, M. S. Coakley, E. S. Colling, E. W. Cook, J. E. Culliney, E. B. W. Douglas, V. B. Edwards, M. L. Fritchman, T. P. Harris, R. J. Hauk, W. J. Mawhinney, H. H. Otto, J. E. Person, G. J. Shurts, M. Sultzter, M. I. Terwilliger, R. B. Williams, E. E. Wright.

1913—C. W. Miller, Chairman. (Miller is getting results but is having a hard time rounding up a committee. "Sunny" Edwards is helping but "Judy" Price, who is supposed to be on the committee, don't even answer the letters written him by the Chairman. ("W'at t'ell's" the matter, "Judy"? Never knew you to fall down before.) Come on, you 1913 men. You've got a ten year reunion this year. Get busy and help Miller to put over this job and the Reunion too.)

1914—W. A. Schrempel, Chairman; H. E. Degler, G. P. Flick, R. R. Galloway, E. B. C. Goynes, V. T. Lawshe, A. B. Leonard, T. G. Shaffer, L. E. Wilson.

1915—H. A. Brown, Chairman; H. M. Search, A. J. Wiegand.

1916—W. C. Hartman, Chairman; D. T. Wynne, M. W. Kresge.

1917—F. E. Portz, Chairman; A. Each, G. K. Bishop, W. A. Borneman, W. H. Carter, G. Y. Custer, C. W. Kingsley, D. H. Kirkpatrick.

1918—A. E. Buchanan, Chairman; R. C. Alden, F. W. Bickley, C. E. Blasius, J. McC. Latimer, C. O. Lind, M. Mizel, W. E. Sexton, W. E. Tizard, E. F. Wait, J. R. Whitney, R. M. Wolcott.

1919—R. W. Ludlow, Chairman; R. R. Coffin, G. E. Doan, H. D. Ginder, J. W. Gardiner, C. G. Gilman, R. J. Heuer, H. S. Kirk, B. P. Lauder, M. Lawrence, M. A. Manley, C. G. Melville, F. D. Nawrath, W. O. Schaub, C. S. Schubert, J. J. Shipherd, J. D. Souber, J. M. Stevens, T. H. Van Auken, T. C. Zeller.

1920—M. B. Tate, Jr., Chairman; E. W. Estes, E. L. Forstall.

1921—H. W. Riebe, Chairman; L. Bevan, F. A. Hall, T. C. Henneberger, J. W. Hood, R. V. Huebner, J. K. M. Huebner, H. R. Maddox, W. J. Parker.

1922—K. M. Downes, Chairman; S. Cottrell, L. L. Drew, C. Ide, M. O. Jefferson, A. R. Little, N. P. Sanborn, C. C. Strauch, G. W. Walters, A. R. Wingate.

COLLEGE AND ALUMNI NEWS

THAT COLGATE FARCE

*Sing a song of colleges,
Tell you where to go;
Princeton for her football,
Cornell for to row,
Harvard for tradition,
Dartmouth, ice and snow;
But to learn to break a contract
Try Colgate and Harlow.*

As there has been considerable newspaper talk about Colgate breaking a contract entered into with Lehigh for a game of football on November 3, 1923, a simple statement of the facts may be of interest. The Athletic Committee at Lehigh desires to make the following statement of facts without comment except to express their appreciation of the very sportsman-like attitude of the Navy and their regret that Colgate's failure to notify us earlier of their intention resulted in our inability to take on a game with Princeton which was offered to us.

In December, 1921, a telegram was received from Colgate asking Lehigh to play a game in Binghampton, N. Y., on November 4, 1922. Lehigh answered, agreeing to play this game provided Colgate contracted to play a return game in Bethlehem on November 3, 1923.

January 16, 1922—Contract entered into by Colgate and Lehigh covering the playing of the above games.

November 4, 1922—Lehigh went to Binghampton and played game with Colgate.

December 13, 1922—Colgate advised Lehigh over the phone that they would not play Lehigh November 3, 1923, as their Syracuse game came on November

17th and they were afraid the Lehigh game would result in injuries to their team. They claimed that the game played during the past season was rough and that bad feeling had been engendered between the two colleges and especially between the two teams. If Lehigh insisted on playing the game Colgate desired either to play it on Sept. 29th or at the end of the season on November 24th, November 29th or December 2nd. The Lehigh Athletic Committee was greatly surprised by the communication, as in the five weeks that had elapsed since the Colgate game there had not been the slightest intimation from anyone at Colgate or from our own players or coaches that the game on November 3 had been unnecessarily rough or had created any bad feeling between the teams. However, being desirous, as always, of meeting when possible the requests of our opponents, we considered carefully the dates offered. September 29th was impossible as our season opens October 6th, due to a ruling that only one week's preliminary practice may be held. November 24th was scheduled with Lafayette and November 29 promised to Brown. December 2nd is a post-season date on which a game is not permitted by Lehigh's Faculty. As October 20th was still open we offered this date to Colgate, stating that if it could not be accepted the date mentioned in the contract must be adhered to.

Colgate in return advised Lehigh that they had October 20th filled and that they would not play Lehigh on November 3rd.

Colgate then announced in the papers

that November 3rd, 1923, had been filled by them by a game with the Navy at Annapolis.

Lehigh advised the Navy of the existing contract between Colgate and Lehigh for a game on that date.

The Navy refused to play Colgate until they had straightened matters out with Lehigh.

Lehigh being very desirous that the sportsmanlike attitude on the part of the Navy would not react in breaking up the Navy's schedule determined to schedule another game for November 3, 1923, if this was possible, and on January 18, 1923, closed with Carnegie Tech. for a game on Forbes Field in Pittsburgh.

On the same day Lehigh advised the Navy of the fact that a game with Carnegie Tech. had been scheduled and severed all athletic relations with Colgate by adopting the following resolutions:

WHEREAS, in December, 1921, the athletic authorities of Lehigh University at the request of the athletic authorities of Colgate University entered into a contract whereby Lehigh was to go to Binghamton, N. Y., to play Colgate a game of football on November 4, 1922, and Colgate obligated herself to come to Bethlehem to play a return game on November 3rd, 1923, and

WHEREAS, after Lehigh had fulfilled her part of the contract by playing in Binghamton on the contracted date Lehigh had no reason to expect that Colgate would not fulfill her contract and accordingly proceeded to arrange a schedule for 1923 on the supposition that November 3rd of that year was definitely filled by a game with Colgate, and

WHEREAS, after a lapse of five weeks from the date of the Colgate-Lehigh game of 1922, and when Lehigh's football schedule for 1923 was practically completed, the athletic authorities of Colgate advised the athletic authorities of Lehigh, for the first time, of their intention not to play at Bethlehem on November 3, 1923, therefore

BE IT RESOLVED, that the Athletic Committee of Lehigh University do hereby sever all athletic relations with Colgate University.

In commenting on the above it seems evident that this action of Colgate's did Lehigh some financial injury and undoubtedly injured Colgate's reputation greatly, as their only excuse—that the Lehigh game was rough—falls to the ground when you consider that they failed to discover this excuse until after five weeks had elapsed. The real injury, however, was not to Lehigh or even to Colgate but to intercollegiate sports and to American colleges generally in that such a breach of ethics on the part of Colgate creates the impression in the public mind that colleges lack in business honesty, at

least in their athletic dealings. Such an impression is of course totally wrong and unfair, for it is doubtful if any college, other than Colgate, ever broke a contract on such a flimsy excuse and in a manner apparently so deliberately calculated to work injury to the second party. Certainly it is safe to say that no coach except Harlow ever broke a contract twice in the space of two weeks. Harlow and Colgate hold the record and they will be left in undisputed possession of it.

BIRTH OF SOCCER AT LEHIGH

1001 East Central Avenue,
Albuquerque, New Mexico,
December 30, 1922.

Dear Okey:

While the minor excitement of winning the state soccer championship is at its height, it might be well to remind the present generation of the debt they owe to the father of that sport at Lehigh, Professor Percy Hughes. It was Professor Hughes that instilled the first enthusiasm and fanned the faint flame on numerous occasions when it threatened to flicker and die. The Professor will pardon me, I know, when I express the belief that he was not a master player. He kicked lustily and started the sport no doubt solely for the pleasure it would give the few who participated, but his influence on the sport cannot be overestimated.

My personal remembrances of Bethlehem soccer start at the beginning of the sport's life in the town. One memory is of taking part in the near annihilation of Edgar Lewis, now vice-president of the Bethlehem Steel Company, who was father of soccer in Bethlehem and on this particular occasion had ventured to transfer his speed to the American game. I remember that he took the ball as a half-back and kept moving back in an effort to get a start that would benefit his fleetness. We finally closed in on him and buried him for a twenty yard loss.

I also remember the scorn with which we, playing two blocks away at the American game, refused to come to the East End field and act as linesman—flag waver, we called it—for a soccer game with a Philadelphia team. The size of the crowd of spectators you can imagine, when there weren't enough persons present to afford a linesman! The battle was hot between the American game adherents and the "Boot 'it with yer 'ead, Sandy" contingent. It can best be summed up in the classic retort of Bill Herman, '17. In reply to the question, "What was the soccer score, Bill", he answered, "I don't know. I'm only interested in sports." That was the opinion of the majority of Bethlehemites in those early days, not so long ago.

Sincerely yours,

Kyle S. Crichton, '17,

WRESTLING

Our wrestling team made a most auspicious start when they opened their season at Princeton on Saturday, January 20. They literally swamped the Princeton matmen, winning by a score of 22 to 5. Princeton's only win was in the unlimited class, where Captain Wilson finally threw Lehigh's entry, Levitz, in 7 minutes and 20 seconds. This was Levitz's first intercollegiate match and he put up a good fight but lacked the necessary experience. Lehigh won every other bout. Captain Schwarzbach, in the 115-pound class, threw his man in 1 minute and 30 seconds, and Coxe, in the 158-pound class, also won by a fall in 4 minutes and 30 seconds. Warriner (125-lb.), Gihon (135-lb.), VanBilliard (145-lb.), Burke (175-lb.), all won their bouts on decisions. Burke pulled a rib cartilage and was obliged to stop to have his injury strapped up, but on returning to the mat secured a win. Of course Princeton does not have as strong a team as some of the others in the league but such a decisive victory over them is most encouraging.

SPECIAL EXTRA—Stop the presses. We want to get this in. Lehigh, 23; Univ. of Penn., 8. Last year Penn beat us for the first time in wrestling and we were out for revenge. Captain Schwarzbach lost the 115-pound bout on decision and that gave Penn the lead, 3 to 0. But Warriner (son of S. D. Warriner, '90) threw his man, putting us ahead 5 to 3. Gihon won a hard bout on decision. Score 8 to 3. VanBilliard was thrown after a hard fight and the score was tied. Then came the crucial bout. Eddie Coxe (son of E. H. Coxe, '91), last year's captain, won a beautiful bout by a fall, and that lead put pep into the Lehigh contestants. Burke went after his man in cyclonic style and threw him in one minute and fifteen seconds, while Carlisle, stacked up against the giant Kauffman, also scored a fall, although greatly outweighed.

BASKETBALL

The first game after the holidays was at Swarthmore and Lehigh nosed out a victory 45 to 44. In a nip and tuck contest we lost to the University of Toronto 35 to 32. Our team then journeyed to West Point to play the Army's sensational five. Lehigh's court men were no match for them and lost 43 to 13. The next game was at home against Gettysburg and we won a close game 28 to 23. Muhlenberg came next and proved easy for Lehigh, the score being 42 to 22. Fordham gave us a hard game but a great spurt towards the end of the second half gave Lehigh the victory, 38 to 27. On the whole the showing for the month was very good with the exception of the game against the Army. Our record this season so far is five games won and three

lost. Of the games lost one was to Princeton, last year's intercollegiate champions, and the other to West Point, who have won eleven straight games this year and at this writing have yet to taste defeat.

SWIMMING

So far this year our swimming team has not had much success. Princeton beat us in December 60 to 11, and on January 13, Rutgers defeated us 53 to 18. Against the Army we made a better showing, winning three of the seven events. The Army got a majority of the second places also and won by a score of 39 to 23. Our team is showing gradual improvement and we look for more success during February than we have had so far.

Lehigh Club Dinners for February

New York—February 7.
Boston—February 9.
Hartford—February 10.
Cleveland—February 16.
Pittsburgh—February 17.

Lehigh Home Club Plans Unique Dance for Night of February 13

To promote a stronger fraternalism and more frequent get-together of the Lehigh University Alumni, located in Bethlehem and vicinity, the Home Club will be hosts at a Valentine and Mardi Gras dance, to be held at the Bethlehem Hotel on the night of February 13.

Elaborate arrangements are being made by the committee in charge and although it will be a formal affair, alumni of Bethlehem, Allentown and surrounding vicinity, together with their friends and students of Lehigh University are invited.

The committee in charge of the affair is M. L. Jacobs, '10; Dr. William Estes, Jr., '05, and V. J. Pazzetti, '15.

William Griffith, '76, Becomes President of the Merrimac Anthracite Coal Corporation.

William Griffith, C.E., '76, Consulting Engineer and Geologist, and one of the great authorities on anthracite coal mining, has been made President of the Merrimac Anthracite Coal Corp., which is a consolidation of the Virginia Coal Mining Co. and a number of other coal mining operations on what is known as Price Mountain, in Montgomery Co., Va.

Adolfo Cordenas, '90, Cabinet Officer in Nicaragua

Adolfo Cardinas was in Washington during December as a delegate from Nicaragua to the Conference on Central American Affairs. He has been made Minister of Finance and Public Credit in the cabinet of President Diego Manuel Chamorro. Before being appointed to this office he was Under Secretary of Foreign Affairs.

MARRIAGES

Class of 1912

On October 25, 1922, Franklin W. Youry to Miss Mary Lillian Simpson, of Norfolk, Va. At home, Vick Apartments, Greensboro, N. C.

Class of 1917

On November 27, 1922, Walter A. Borneman to Miss Henrietta Fanny Pfaff, of Philadelphia, Pa. At home, No. 194 Thelma Street, Philadelphia, Pa.

Class of 1919

On August 30, 1922, George C. Thomas to Miss Ruth Silvius Adams, of Doylestown, Pa.

Class of 1921

On January 8, 1923, Thomas J. Curtin to Miss Claire McGinty, of Philadelphia, Pa.

Class of 1922

On January 10, 1923, Samuel Hunt Shipley to Miss Elizabeth Lois MacEvoy, of Orange, N. J.

BIRTHS

Class of 1915

A daughter, Nancy Virginia Teeple, to Mr. and Mrs. Perry M. Teeple, of Columbia, S. C., on January 5, 1923. This is number three, the others being Betty, aged four, and Bobby, aged two.

Class of 1916

A daughter, Phyllis Gough, to Captain and Mrs. John Edwin Gough, of Hawaii, on January 4, 1923.

Class of 1917

TWIN DAUGHTERS, to Mr. and Mrs. Brant S. Derr, on January 3, 1923.

Class of 1920

A daughter, Phyllis Carolyn Knerr, to Mr. and Mrs. G. Russell Knerr, of Millville, Jefferson Co., W. Va., on August 16, 1922.

Class of 1921

A daughter, Dorothy Lathrop Maraspin, to Mr. and Mrs. Davis Goodwin Maraspin, on January 2, 1923.

A son, Philip Goldberg, to Mr. and Mrs. Solomon Goldberg, of Brooklyn, N. Y., December 24, 1922.

DEATHS

Class of 1888

William Alexander Brown died on January 22, 1923, in the Presbyterian Hospital, of Philadelphia, Pa., as a result of injuries received on January 7, 1923, when he was struck by a speeding motor car. His lung was punctured, two ribs and a collar bone broken and his shoulder dislocated.

After attending Lehigh, Brown went to the Law School of the University of Pennsylvania. For many years he has practiced law in Philadelphia. He was unmarried and lived at 3937 Locust Street, having his office at 1001 Chestnut Street. He was 57 years old at the time of his death.

Class of 1891

Albert P. Treser, of the class of 1918, writes me of the death at New Castle, Pa., on November 24, 1922, of George B. Zahniser, brother of Albert Zahniser, '05. He died as the result of heart trouble.

During his undergraduate days Zahniser played on the Lacrosse Team and was a member of the Delta Tau Delta Fraternity. After leaving Lehigh he was with the Frick Coal Company for a short time and then started in business for himself as General Engineer and Land Surveyor. During the last three years he had charge of the construction of a number of concrete bridges, including among them one of the largest concrete encased through plate girder bridges in the United States.

Class of 1894

Benjamin F. Cresson, Jr., Chief Engineer for the Port of New York Authority, died January 26,

1923, at the Mountainside Hospital, Montclair, N. J., following an operation for appendicitis. He was taken ill in the corridor of 11 Broadway, where the offices of the Port Authority are, on January 25 and removed at once to his home in Montrose Avenue, South Orange, N. J. From there he was taken to the hospital and operated on.

Cresson was born forty-nine years ago in Philadelphia. He was educated at the Episcopal Academy in that city and after attending Lehigh University for two years, transferred to the School of Engineering at the University of Pennsylvania, from which he was graduated in 1896.

Cresson was one of the foremost authorities on port planning in the world. It is stated that the plans he made to solve the problems of the Port of New York will be carried out by the Port of New York Authority.

Albert Brodhead Enbody, Master Mechanic, L. & S. Division, C. R. R. of N. J., died January 25, 1923, at El Paso, Texas, of a complication of ailments, at the age of 53 years. He has been in declining health for several years and had gone to Texas in an attempt to recover. He leaves to survive him his widow and two brothers.

Class of 1895

Just as we go to press a letter from F. R. Pyne, '06, gives the sad news of the death of Robert Edes Chetwood, E.E. He died on January 25, 1923, at his home at 559 Westminster Avenue, Elizabeth, N. J., of tuberculosis. Chetwood had been Plant Engineer for the Western Union Telegraph Co. at 195 Broadway, New York City. Several years ago he went to Saranac Lake, New York, on a leave of absence in an attempt to recover his health. At that time he seemed to improve greatly, at least so he wrote me, and I had great hopes of his recovery. For some time I have not heard from him and this news of his death came as a shock.

While at college he was a member of the *Burr* Board and Vice-President of the Press Club. He was a member of the Chi Phi fraternity.

PERSONALS

Class of 1873

50 YEAR REUNION, JUNE 9, 1923

Of late years about the only man who has been active in this class has been Wallace M. Scudder, M.E., who is the proprietor of the *Newark Evening News*. I reckon we will all have to proclaim ourselves members of the class of '73 and give our dinner this year in honor of that class, with Scudder as the guest of honor. He will be surprised to find how large his class has grown in fifty years' time.

Class of 1878

45 YEAR REUNION, JUNE 9, 1923

There are a lot of live ones in this class and they ought to have a big reunion. There's Bufl, Byllesby, DuPuy, Eckert, Nostrand, Paret, Quinn, Randolph, Reed, Stahr, and probably several others who ought to get back this June. Think I'll write them each a letter.

Class of 1883

40 YEAR REUNION, JUNE 9, 1923

Watch this class. They have had the habit for 40 years of keeping right in the limelight. They will have a big delegation back. They won the Reunion Cup in 1918 and they are on the trail again.

George S. Patterson writes me that having disposed of his interests in the Bottom Creek Coal and Coke Co., he is leaving Vivian, W. Va., and for the present his address will be c/o Farr Hotel, Huntington, W. Va.

Class of 1886

H. O. Koller, who is a merchant at 126-128 N 5th Street, Reading, Pa., is now living on Reading Boulevard, Wyomissing, Pa.

Theodore Stevens, after six months spent in South Africa, has returned to London, England, where he varies his consulting practice by such

things as the following:

At the request of the School of Military Engineering, Chatham, England, he is giving lectures on Hydro-Electric Schemes.

At the request of the Royal Institution of Great Britain, he will lecture on March 1 and 8, 1923, in London, on "Water Powers of the British Empire."

He has just finished a course of ten lectures at University College, London, on "Utilization of Water Power."

Dr. Harry Toulmin, Medical Director of the Penn Mutual Life Insurance Co., of Philadelphia, Pa., was recently made Vice-President of that company.

Class of 1888

35 YEAR REUNION, JUNE 9, 1923

Under the leadership of their President, H. S. Miner, this class is preparing for a big reunion. They are very much alive in every way. Look at their guaranty fund record. Also note this list of persons that Miner just sent me:

Gloucester City, N. J., January 29, 1923.

My dear Okeson:

In a recent letter from Gaston, he tells me that he is planning a trip to Europe with his family, and expects to sail in February. His letter intimates that he is planning to take a year's vacation and to spend much time in travel.

I have a fine letter from Charles H. Miller, '88, who is President and General Manager of the Allen Gravel Company, Little Rock, Ark. Miller is very busy in construction work and is giving a great deal of time also to court cases in connection with drainage and road work in his region. He is planning to attend the reunion of the class of '88 next June.

I also have a fine letter from W. L. Woodruff, of the Federal Laundry Company of Detroit, Mich. He gives me some information concerning Lehigh men, and states that he enjoys the fellowship of members of the Lehigh Club in Detroit, and hopes to be at our next reunion.

Herbert T. Hartman, '88, has retired and is living at Chestertown, Md. After many years of active business life, he enjoys the rest and quiet of his place on the Eastern Shore, which he says is the greatest place in the world for a retired business man. He writes most cordially concerning Lehigh and Lehigh men.

Major Charles L. Banks is located at the Station Hospital Presidio of San Francisco, Cal. He is looking forward to the reunion of the class of '88 next June, and hopes for a leave of absence which will enable him to take his vacation at that time. If Banks can make this trip for a class reunion, some of the boys who live nearer certainly will have no excuse for staying away.

Very truly yours,

HARLAN S. MINER.

William S. Davis was elected City Engineer of Lebanon, Pa., on January 22, 1923. Davis is the father of two boys who are now in Lehigh.

Class of 1890

Frank R. Coates is away from Toledo and in New York a considerable part of the time with a business address at 60 Wall Street and a residence address at 36 Gramercy Park, East, although I believe he still claims Toledo, O., as his home. He is Assistant of Henry L. Doherty, Henry L. Doherty & Co., also President, The Toledo Edison Co., and President, The Community Traction Co., Toledo, O.

F. K. Morris has left Philadelphia and is now practicing law in Paces, Halifax Co., Va.

Class of 1892

F. A. Coleman, formerly head of the Foundry Equipment Co., of Cleveland, is President and Gen. Mgr., The F. A. Coleman Co., Engineers—Manufacturers of Foundry Equipment, 6539 Metta Avenue, Cleveland, O.

FOUND.—Anton Schneider is City Engineer of Lakeland, Florida.

Class of 1893

30 YEAR REUNION, JUNE 9, 1923

Under the leadership of S. B. Knox, President, and R. C. H. Heck, Secretary, this class is pre-

paring for their thirtieth reunion.

C. W. Throckmorton (what a tackle he was) has left Texas and is now with Day & Heaton, Brokers, 42 Broadway, New York City.

Lee S. Harris is a Consulting Engineer, with an office at 430 Walnut Street, Philadelphia, Pa.

Class of 1894

E. E. Seyfert is Structural Engr. and Dist. Mgr. Sales, Corrugated Bar Co., Inc., 1713 Sansom Street, Philadelphia, Pa.

Class of 1895

S. V. L. Lippitt, who represents the Franklin Baker Co. in Porto Rico, has been visiting in Philadelphia during January. After 28 years of effort he is still unmarried.

T. P. Lovering is Special Agent, New England Mutual Life Insurance Co., 605 Murchison Bank Bldg., Wilmington, N. C.

FOUND.—W. R. Van Liew is President of The Mattewick Corp., British Post Office, Box 110, Constantinople, Turkey. He writes that he divides his time between Constantinople and Batoum, Russia.

Class of 1896

Springfield Baldwin we find has not been with the Georgia & Florida Rwy. for some time. He is with the Interstate Commerce Commission in Washington, D. C. and is living at 1615 Linden Street, Baltimore, Md.

Victor A. Johnson handles Commercial Paper and Investments, Porter Bldg., Portland, Oregon. He lives in Garthwick Park.

Class of 1897

John L. Sheppard is in the Real Estate business, with an office in the Bryant Bldg., Lakeland, Fla.

Class of 1898

25 YEAR REUNION, JUNE 9, 1923

I saw George Davies in the Engineers' Club in New York a day or two ago and he told me that he had just made a trip to Bethlehem to engage the top floor of the Hotel Bethlehem for '98's great Twenty-fifth Reunion. That's the place to put them all right. Even if the worst comes to the worst there will still be nine stories left of the hotel when '98 departs. Some party this is going to be. Invite me, George.

T. E. Schneller is with the N. Y. N. H. & H. R. R. Co., New Haven, Conn., and is living at 267 Elohm Street, West Haven, Conn.

Class of 1901

FOUND.—E. S. Harrar is Electrical Engr., The Youngstown Steel Co. His business address is at Warren, Ohio, and he lives at 1601 Brownlee Ave., Youngstown, O.

Beginning January 1, 1923, the Western Structural Steel & Tank Co. (C. J. McGonigle, Pres.) will be conducted under the name of Poole & McGonigle.

T. W. Wright is a Salesman for the Palmer Lime and Cement Co., 110 Fayette Street, Bridgeton, N. J.

Class of 1902

W. L. Heim has been elected President of the Natural Wood Chemical Association, an organization including 57 manufacturers interested in the distillation of wood for charcoal, acetic acid, calcium acetate, alcohol, wood tar and other by-products.

M. J. Luch, Professor of Rhetoric and Oratory, Lehigh University, is Vice-President of the Eastern Public Speaking Conference, which recently held a convention at the Hotel McAlpin, New York City.

FOUND.—W. H. Peepels is with W. G. Cornell Co., Railway Exchange, St. Louis, Mo.

Class of 1903

20 YEAR REUNION, JUNE 9, 1923

Last summer "Hop" Walters made the unqualified statement that '03 would not only capture the Reunion Cup in June, 1923, but would break all percentage records in attendance. "Why not?" he asked. "We have over 80% of our class

active members and by next June we will have 100%. And those birds are going to be so interested you won't be able to keep them away from Bethlehem." Well, it sounds reasonable. '03 did a big thing last year when it blazed the way in guaranteeing the dues and BULLETIN subscriptions of all its members. So far this year they have been taking things easy to see how many of the fellows would come through without the use of heavy artillery. But the enthusiasts are getting restive. They don't propose to see other classes leading them even temporarily. Listen to this letter received by "Pop" Wolcott, Class Treasurer, from Lou Girdler, Secretary and Treasurer, Standard Automotive Parts Co., Muskegon, Mich. When Wolcott, "Art" Frick and Dyer Smith had consumed this letter they decided to put on an intensive campaign at once to finish up their guaranty and to start the ball rolling for a "knock-out" reunion this June. Here are the last two paragraphs of Lou's letter:

"I read the latest LEHIGH BULLETIN the other night and I suggest that you and Art and whoever helped out on the good work 1903 did in the plan for guaranteeing subscriptions and class dues, get together and try to push our class over 75%. Call on me and all others to assist in this, for as you fellows started this thing, let us keep it going and not let other classes run away from you.

"Also I think work ought to be done from now on trying to line everybody up for the 1923 reunion. The only thing that will keep me from being there will be sickness or some similar cause over which I have no control, for even lack of transportation is not going to stop me. I will leave early enough so that I can walk the whole distance if I cannot raise car fare and I will be very glad to assist the class officers and others to arouse the sleepers and get them lined up for the big event. Let me hear from you."

Here will be a hard one to get for the reunion. "Smoky" Gerhard has just left for Tulsa, Oklahoma, where he will be located indefinitely.

Class of 1904

Jesse W. Underwood is with J. W. Bell & Co., Investment Securities, 56 Pine Street, New York City.

FOUND.—E. S. Whitney, Jr., is with Bates & Rogers Construction Co., 875 Old Colony Bldg., Chicago, Ill.

Class of 1905

T. R. Angle is one of the publishers (the other is his brother, F. P. Angle, '07) of the *Evening News*, Danville, Pa. He just sent in his dues with the brief note: "Dear Okey: I surrender—Shine Kirk's on my trail."

J. F. Bennett, who has been with the Wheeling Steel Corp., Wheeling, W. Va., has resigned his position on account of ill health and returned to his home, 740 Bridge Street, Towanda, Pa., to recuperate.

J. N. Gawthrop, formerly Sales Mgr. for the Bucyrus Co. at Minneapolis, Minn., writes that his present address is No. 24 Milk Street, Boston, Mass.

H. Q. Layman is Secretary and Treasurer, A. C. Layman Machine Co., Manufacturers of Leather-working Machinery and Supplies, Wilmington, Del.

C. H. Ohlweiler is Chemist, American Optical Co., Southbridge, Mass.

Class of 1906

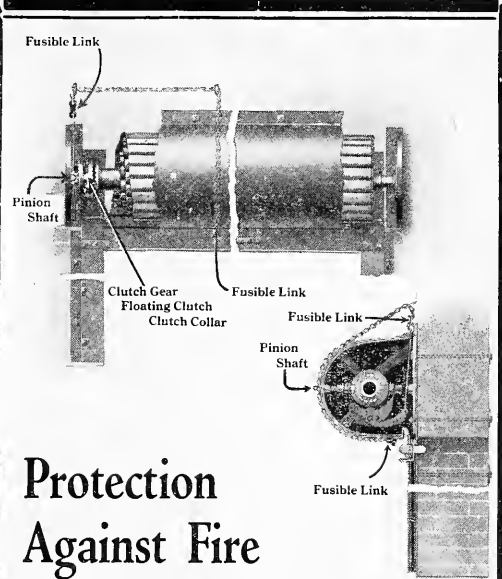
The engagement has been announced of Miss Eva M. Garrette, of Hazleton, Pa., to William H. Grady, of Pottsville, Pa. Grady is Agent for M. S. Kemmerer, who owns extensive coal properties in various parts of the country.

"Russ" Wait says the "Billy" referred to in his note published in the January BULLETIN is W. H. Grimbail, "a very eminent lawyer in this town" (Charleston, S. C.).

Class of 1907

H. D. Desh has left the Milwaukee Coke & Gas Co. and is now with the Holeproof Hosiery Co., 404 Fowler Street, Milwaukee, Wis.

H. A. McIntosh is Superintendent, 220 K. V. Transmission Construction for the Southern Cali-



Protection Against Fire

The above illustration shows the controlling apparatus of WILSON Underwriter Rolling Steel Doors.

At a temperature of approximately 160 degrees Fahrenheit one of the fusible links which is directly connected with the counterbalancing spring of the door.

On being released the clutch gear forces the floating clutch against the clutch collar secured to the curtain shaft. This energy gives sufficient impetus to force the curtain down to the sill or bottom of the opening.

The spring can readily be recharged and the entire automatic device reset without removing the hood or dismantling the door.

These doors meet all requirements of the Underwriters' Laboratories, Inc., and the Associated Factory Mutual Fire Insurance Companies.



Catalog, details and prices will be forwarded on request.

The J. G. Wilson Corporation

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11 East 36th Street, New York

Offices in Principal Cities

J. F. Middledith, '99, Secretary and Treasurer

fornia Edison Co., who are rebuilding that part of their lines now operating at 150,000 volts to operate at 220,000 volts and adding a lot of new mileage to operate at 220 K. V. His office is in the Edison Bldg., Los Angeles, Calif.

Harrison Tilghman is in the New York Office, 36 Wall Street, of West & Co., Investment Bankers and Members of the New York and Philadelphia Stock Exchanges.

Class of 1908

15 YEAR REUNION, JUNE 9, 1923

W. D. Sanderson is Chairman of the Reunion Committee and as long ago as last September he was on the job. I have reason to know this because he wrote me at that time to help locate the other members of the committee. '08 is a big class and they expect a big delegation next June at their Fifteenth Reunion.

A. A. Goytisolo is Acting President of various Sugar Companies and his office is at Manzana de Gomez 437, Havana, Cuba.

Class of 1909

Howard G. Toone is a Contractor in Collingswood, N. J., with an address corner of Cambridge and Collings Avenues.

J. S. M. Wharton, formerly Manager, Helena Gas & Elec. Co., Helena, Ark., has been made Gen. Mgr., Arkansas Utilities Co., which has acquired Wharton's old company and which owns and operates electric and water utilities in various parts of Arkansas.

Class of 1910

Francis H. Blake is Pres. & Gen. Mgr., Growers Cold Storage Co., Inc., Waterford, N. Y.

FOUND.—W. E. Lewis is a Captain in the U. S. Army and is stationed at Camp Benning, Columbus, Ga.

FOUND.—Earl C. Smith is prospecting in Colorado. For the present he can be reached by mail

addressed to 820 South Saint Bernard Street, West Philadelphia, Pa.

W. A. Staab is Test Engr., Lehigh Coal & Navigation Co., Lansford, Pa., and lives at 143 East White Street, Summit Hill, Pa.

Class of 1911

Arthur C. Frey is now Supt. of Distribution, Pawtucket Gas Co., 231 Main Street, Pawtucket, R. I.

Class of 1912

N. S. Schmidt, formerly with the Lehigh Portland Cement Co., Mason City, Ia., is now living at 1212 Delaware Avenue, New Castle, Pa.

David R. Smith is now Vice-Prest. and Gen. Supt., Towanda Gas and Elec. Co., Towanda, Pa.

F. W. Youry, who has been Sales Engr. for the Truscon Steel Co. for several years, is now in charge of the Greensboro, N. C., office.

Class of 1913

10 YEAR REUNION, JUNE 9, 1923

The Secretary of the Class, Charles W. Miller, 1022 W. Lanvale Street, Baltimore, Md., is working like a Trojan to get this class aroused to its responsibilities. No finer class was ever graduated, but they have suffered through missing their fifth reunion, which was due in 1918. Alumni Day was in April that year and on account of the war there were no class reunions in the usual sense of the word. 1913 had 51 men in the service, two of whom lost their lives. Class matters naturally were lost sight of during this period and it is a hard job to pull a class together after a lapse of ten years. Miller is doing his level best but he needs help. Sit right down now, you men of 1913, and write him saying you are with him and are ready to do any job he assigns to you. Get a strong reunion committee organized. 1911 and 1912 have set the pace for big ten year gatherings. It is up to '13 to keep the ball rolling and make a new record for other ten year classes to shoot at.

J. M. Gonder is Chief Chemist, Chicago By-

*There is no other cigarette of
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CIGARETTES

*Always slightly higher in price than
other Turkish Blend cigarettes but —
just taste the difference!*



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Product Coke Co., 31st Street and Kostner Avenue, Chicago, Ill.

W. F. Odom is now living at 10 Slater Avenue, Saylesville, R. I.

H. W. Tice has left the Bethlehem Cuba Iron Mines Co. and is now in Los Angeles with the Southern California Edison Co. as assistant to H. A. McIntosh, '07, in the construction of this company's 220 K. V. service.

Class of 1914

Schrempel writes that "the following names have been added to our 'missing' list: E. C. Castellanos, E. H. Sellers and Campbell R. Williams." Can anyone aid in locating these three men.

Chas. E. Lawall, formerly with the Geological Dept., Bethlehem Steel Co., is now Asst. Prof. of Mining Engineering, West Virginia University, Morgantown, W. Va. A. C. Callen, '08, is head of the Department.

E. H. Sellers, until recently Research Engr., Hoppes Mfg. Co., Springfield, O., is now in the Eng. Dept., U. G. I. Contracting Co., Philadelphia, Pa., and is living at 5320 N. Marvine Street.

L. Earl Wilson has left Scovell, Wellington & Co., of Springfield, Mass., and is now Industrial Engr., F. D. Abernethy, Burlington, Vt., and is living at 64 Hungerford Street, that city.

Lieut. Lewis Thornburg, U. S. Navy, after a six months' leave of absence in Europe, is now on duty in the Bureau of Yards and Docks, Washington, D. C.

George F. Wolfe is Chief Designing Engineer, Industrial Steel and Iron Co., Evansville, Ind.

Class of 1915

The engagement has been announced of Leonard J. Buck to Miss Helene Rouss, of New York City. Miss Rouss is a granddaughter of Charles Broadway Rouss.

Alexander S. Diven is Building Manager, Engineering Societies Building, 29 W. 39th Street, New York City.

Captain Wharton G. Ingram, 6th Cavalry, U. S. A., writes that beginning January 15, 1923, his address is Fort Oglethorpe, Ga.

On March 1, 1923, D. R. Vanneman and his brother will start manufacturing Ice Cream under the firm name of Vanneman Brothers' Ice Cream Co., at Perryman, Md. He writes to say that if any Lehigh alumnus passing through Perryman will stick his head out of the window and give a good "long Lehigh" he will be immediately treated to some fine ice cream.

Class of 1916

This class is advertising for the addresses of C. T. Halpin, J. B. Hill, C. H. Thomas, J. M. S. Waller and J. A. Wyler.

FOUND.—A. S. Konselman, Mining Engineer, is now located in Goodsprings, Nev.

FOUND.—Lewis Mardaga's address is 6148B Ludlow Street, Philadelphia, Pa.

Gerald Swallow has left Norristown and is now located at 2350 Glenwood Avenue, Toledo, O.

A. R. Taylor is in the Paying Dept., American Tar Products Co., and is living at 4545 Sansom Street, Philadelphia, Pa.

"Bill" Hartman has a letter from "Hal" White, from Anniston, Ala., in which "Hal" gives some extracts from a letter received by him from Theo. Forstall, who is Auditor for Gollman Bros.' Circus, which is in winter quarters at Montgomery, Ala. Forstall is evidently in love with the circus life, for he writes, "Some day you will see my name on the bill boards and see that long yellow train of mine roll in early in the morning—and roll out that night, wandering ever on, seeking not so much the pot of gold at the rainbow's end as the sheer joy and happiness of the open trail, the canvas tents, the smell of the tanbark and the ever beckoning lure of the narrow steel highway leading on and on away from the sorrows of yesterday to the always hoped for joy of tomorrow. It's the only life, my boy, and once the circus fever grips you, it's all over—you are going to be with it the remainder of your days." Confound that boy any-

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We have purchased 122,000 pair U. S. Army Munson last shoes, sizes 5½ to 12, which was the entire surplus stock of one of the largest U. S. Government shoe contractors.

The shoe is guaranteed one hundred percent solid leather, color dark tan, bellows tongue, dirt and waterproof. The actual value of this shoe is \$6.00. Owing to this tremendous buy we can offer same to the public at \$2.95.

Send correct size. Pay postman on delivery or send money order. If shoes are not as represented we will cheerfully refund your money promptly upon request.

NATIONAL BAY STATE SHOE CO.,

296 Broadway,
NEW YORK, N. Y.

way. It's stirred up all my latent "wanderlust" to read that effusion of his.

Class of 1917

This class has been the first to adopt the organization plan recommended to all the classes by the Alumni Council at its meeting last June. A questionnaire sent out November 11, 1922, to all the members of the class resulted in a favorable vote on the following points:

1. The officers of the class to be president, secretary-treasurer and an executive committee.
2. The Executive Committee to have charge of all alumni activities of the class and act as a nominating committee.
3. An election of officers to take place every five years.

The officers elected to serve until June, 1927, were:

President—A. Bach (ex-officio a member of the Executive Committee).

Secretary-Treasurer—W. H. Carter.

Executive Committee—F. E. Portz, Chairman; D. H. Kirkpatrick, G. K. Bishop, W. A. Borneman and W. A. Beck.

The class agreed to guarantee the payment of the alumni dues and BULLETIN subscriptions of all its members and to assess themselves \$5.00 a year apiece to cover these items and class expenses.

This organization is a fine thing and it is to be hoped that other classes will adopt the same plan. One of the best points is that the class is compiling its own membership list and will not be dependent upon anyone to tell them where their own members are. With such class organization existent throughout our alumni body, the work of both the classes and the Alumni Association would improve much in quality and increase greatly in effectiveness.

Where is Charles ("Chick") Graham? Letters addressed to Fort Worth, Texas, are returned.

Paul E. Werner. I hear, got an M.A. degree from U. of P. last year, although I have not confirmed this. I do know that he got a B.S. degree from Lafayette in 1918.

Class of 1918

5 YEAR REUNION, JUNE 9, 1923

This class came within a hair of winning the Active Membership Cup at their first reunion in 1919, turning in the record for the largest number of active members and only losing to '83, whose small membership was much easier to canvass. They are planning this year to win the Reunion Cup and, believe me, they will give them all a run for it. When '18 starts after something they have a habit of setting the pace.

"Dick" Alden writes that he has left Tulsa and is now with Brooks & Hanlon, Inc., Breckenridge, Texas.

Albert P. Treser is in business with his brother, under the firm name of Treser & Treser, Engineering and Contracting, New Castle, Pa. They are successors to George B. Zahniser, '91, recently deceased.

Class of 1919

When this class graduated there was not enough money in the treasury to pay for the Class Tablet in the Chapel. I am glad to say that H. D. Ginder has taken this matter up and if the others will help it won't be long before '19 takes her rightful place on the line. Here is a letter from Ginder: Class of 1919:

We are going to have our Class Tablet up in the Chapel by next Alumni Day. Practically everything is set for it; bids have been received for the work, and lists of men eligible to go on the tablet have been prepared.

However, there is a difference between the money in the treasury and the cost of the plate. We will need \$2.50 from every fellow whose name is to go on the plate before we can get it up. All fellows who received their degrees in 1919 and whose names do not appear on any other plate, are eligible to go on the 1919 plate. Checks can be sent to me at 248 West Broad Street, Tamaqua, Pa.

If you have any question as to your eligibility to go on the plate, write me and I'll try to settle it for you.

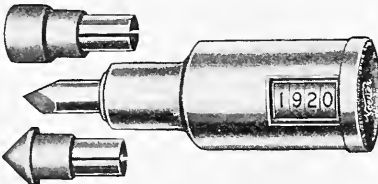
H. D. GINDER,

Class of 1919.

John M. Stevens has changed his occupation and

Veeder

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The No. 21 Speed Counter shown at left registers number of revolutions (per minute) of a motor, engine, dynamo, line shafting, machine spindle or any revolving part. The point is held against the end of the revolving shaft; the instrument pressed lightly when count is commenced; pressure released when the timing is over. Push-clutch starts or stops recording mechanism instantly, giving exact R. P. M. readings without use of stop-watch. Price, \$3.50

Veeder Counters are made for every machine that should have one—all the models are shown in the Veeder counter booklet. Special circulars describe the other Veeder products; write for any or all of them.

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Shoes. *Which kind gets you there the quickest?*

TWO college men were walking down the road, when a classmate whizzed by in his car.

"Pretty soft!" sighed one.

Said the other, "I'll show him. Some day I'll own a car that's got his stopped thirty ways."

The more some men want a thing, the harder they work to get it. And the time to start working—such men at college know—is right now.

All question of classroom honors aside, men would make college count for more if they realized this fact: You can buy a text book for two or three dollars, but you can sell it for as many thousand—once you have digested the contents.

This is worth remembering, should you be inclined to the self-pity which social comparisons sometimes cause. And anyway, these distinctions are bound to be felt, even though your college authorities bar certain luxuries as undemocratic—as perhaps they are.

The philosophy that will carry you through is this: "My day will come—and the more work I crowd into these four years, the quicker I'll make good."

Western Electric Company

This advertisement is one of a series in student publications. It may remind alumni of their opportunity to help the undergraduate, by suggestion and advice, to get more out of his four years.

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the interest of Elec-
trical Development by
an Institution that will
be helped by what-
ever helps the
Industry.*

is now an Automobile Insurance Underwriter, Ocean Accident and Guarantee Corp., 114 Fifth Avenue, New York City.

Class of 1920

Randolph O. Lewis is Asst. Engr., U. S. Bureau of Standards, Washington, D. C.

O. W. Wuerz writes that "20 has 'some efficient lil committee' at work on the Guaranty Plan. Says he has received six million letters asking him to come across. He opines that 'Bill Shakespeare wrote about the seven ages of man. It's a cinch he never knew a Lehigh Alumni Committee or he would have added another—Dunnage.'" He adds, "That's the ole spirit. Stick with 'em and the rest of us careless birds will be rounded up."

Class of 1921

John H. Alden writes that he has changed his job and is now Technical Supervisor, U. S. Aluminum Co., Massena Plant, Massena, N. Y.

E. W. Burgess is with Lybrand, Ross Brothers and Montgomery, Public Accountants, No. 111 W. Monroe Street, Chicago, Ill.

L. B. Fisher is Asst. Instructor, Dept. of Mineralogy, Syracuse Univ., Syracuse, N. Y.

T. B. Rights tells us that Juan Hurtado is attending Hefley Institute, Brooklyn, N. C., and expects to graduate in March, when he will return to Mexico and practice civil engineering.

H. B. Gulick is in Pittsburgh, selling fire brick for the Mount Savage Fire Brick Works. He is living at 361 Melwood Street, that city.

Heihachi Kamura is with the Meiji Mining Co., Tobato-Machi, Fukuoka-Ken, Japan.

John N. Marshall is with the Hummel Electric Steel Foundry, Conshohocken, Pa.

Class of 1922

FIRST REUNION, JUNE 9, 1923.

Members of the Class of 1922:

A list, which is complete to the best of our knowledge, has recently been completed containing the names of those in our class. A part of the total number of these names has been sent to each of the members of the Executive Committee, who will correspond with the men whose names have letter you receive will reduce the work of the Committee to a minimum. Alumni dues and BULLETIN subscription (\$3.00) should be sent directly to be assigned to him. A prompt reply to each the office of the Alumni Secretary in Drown Hall. Class dues of \$3.00 per man per year are payable to the member of the Committee who writes to you, and the necessity of entire cooperation in this matter is obvious. The Class of 1922 has pledged an athletic scholarship of \$400 per year for four years and this amount can be paid only from the money received from class dues. A complete financial report will appear in June in the BULLETIN showing expenditures as well as money received.

Sincerely yours,

K. M. DOWNES,
Chairman of Committee.

D. B. Dimmig is with the American Bauxite Co., Bauxite, Ark.

Richard Fleming, Jr., is a student at the University of Michigan. Residence, 727 South State Street, Ann Arbor, Mich.

A. Albert Gross is in the Chemical Dept., York Manufacturing Co., York, Pa. Residence, 31 South Hartley Street.

R. L. Huffman is a student, Univ. of Nevada. Residence, Lincoln Hall, Reno, Nev.

Roy F. Miller is with the American Bauxite Co., Bauxite, Ark.

R. W. Nichols is with the Public Service Production Co., Newark, N. J. Residence, 1211 Second Avenue, Asbury Park, N. J.

Paul C. Reichard is Junior Asst. Engr. of Power Plant, T. M. E. R. & L. Co., Milwaukee, Wis. Residence, Y. M. C. A.

S. P. Rodgers is Industrial Fuel Representative, Consolidated Gas & Electric Co., Baltimore, Md. Residence, 511 N. Arlington Avenue.

Lester Smith is proprietor of a Sweet Shop and Tea Room, Clinton, N. J.

W. C. Spatz is Student Engineer, Long Lines Dept., Div. 2, A. T. & T. Co., c/o J. L. McKay, Div. Plant Supt., Bourse Bldg., Philadelphia, Pa.

Watson F. Tait, Jr., is Cadet Engr., Public Service Elec. Co., 17th and Stevens Streets, Camden, N. J. Residence, 201 Cove Road, Merchantville, N. J.

Robert S. Tomlinson is Wiring Insp., Public Service Elec. Co., 71 Murry St., Elizabeth, N. J. Residence, 554 Chilton Street.

Joseph Tumbler is with the Bethlehem Steel Co. at Sparrows Point, Md. Residence, 2339 Eutaw Pl., Baltimore, Md.

Theodore S. Weiss is in a Department Store, 203 Juniper Street, Quakertown, Pa.

G. N. Westcoat is a student in Hahneman Medical College, Philadelphia, Pa. Residence, 38 E. Zane Avenue, Collinswood, N. J.

S. Brainard West is with the Westmoreland Specialty Co., Glass Mfrs., Grapeville, Pa. Residence, 5535 Kamin Street, Pittsburgh, Pa.

Fred B. Witchey is Bookkeeper, Hazleton National Bank, Hazleton, Pa. Residence, 81 N. Vine St.

Richard C. Zantzing is in the Real Estate business, 912 10th Street, N. W., Washington, D. C. Residence, Hyattsville, Md.

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One day by chance he was introduced to a representative of the Alexander Hamilton Institute. The Institute man has shared the confidences and perplexities of thousands of business men, and almost unconsciously the younger man began explaining his problem. The result of that conference is best set forth in the letter which the young man wrote two years later.

"My self-confidence increased; my earning power doubled."

"It is now two years since I enrolled with the Alexan-

der Hamilton Institute; I call it the best decision I ever made. Next to that is the decision to leave the corporation where I had allowed myself to become merely a cog in the machine. Myself-confidence and courage have increased infinitely, and incidentally my rate of pay in the period of one year has nearly doubled. For the first time since I left college I feel that I am equipped to make real progress in business. To the Institute is due most of the credit."

The Alexander Hamilton Institute was founded by a group of business leaders who realized that modern business tends to produce specialists, but is not developing executives.

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The Institute has but one Course; its purpose is to give men, in reading and specific training by the "case system," the all-round knowledge of every department of business that comes ordinarily only by slow progress thru each department in detail.

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35% were university graduates

Altogether more than 35% of the men who enrolled with the Institute have been graduates of American universities and colleges.

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For the sake of creating a wider knowledge of the Institute among college men—both employers and employed—we have set aside several thousand copies of "Forging Ahead in Business," a 118-page book that tells in detail what the Institute is and does.

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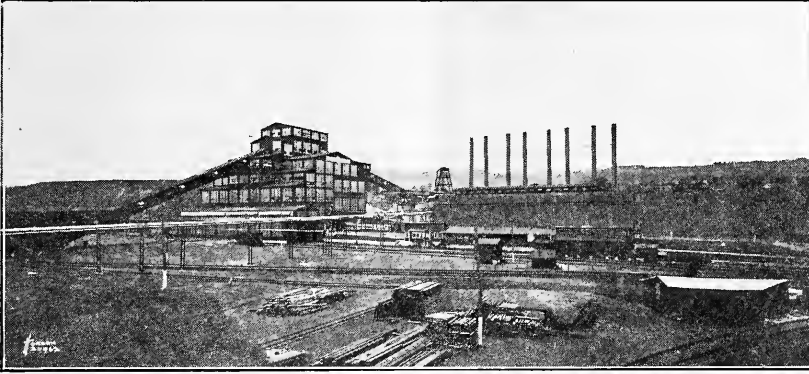
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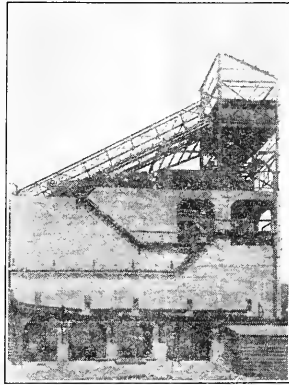
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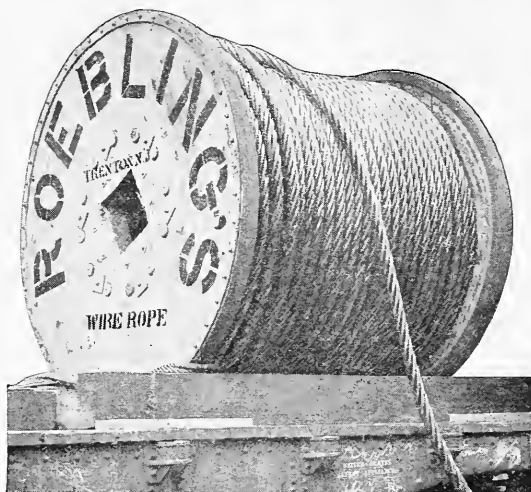
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BETTER LIGHTING NEEDED IN INDUSTRIAL PLANTS

In a paper read before the Illuminating Engineering Society, February, 1920, entitled, "A Survey of Industrial Lighting in Fifteen States," R. O. Eastman, submitted some very interesting data regarding the lighting conditions in industrial institutions. The survey comprises some 446 institutions, in which lighting was considered by 55.4% as being vitally important, and by 31.6% as being moderately important, and by 13% as being of little importance. Practically 58% considered that lighting was as important as power in the operation of the plant, and a small proportion would give more attention to lighting than to anything else.

In considering the present condition of lighting as found in the various plants, only 9% ranked as excellent, about 1/3 ranked as good, 29% fair, 18.8% poor, 3.5% very poor, and 7.8% partly good and partly poor. It was found that the lighting in the offices was far superior to that in the shops; 19% being excellent, 36% good, 31% fair, and only 13% poor and none very poor.

On consulting the executives regarding what factors were most important in considering lighting, the following facts were revealed: Increase of production 79.4%, decrease of spoilage 71.1%, prevention of accidents 59.5%, improvement of good discipline 51.2%, and improvement of hygienic conditions 41.4%. Manufacturers who have good lighting appreciated its value largely from the standpoint of its stimulating effect upon output.

There is no question that any intelligent man who carefully considers the necessity for good lighting in an industrial plant, will agree that it is impossible for a person to do as good work, either in quality or quantity, in poor light as in good light, but yet the result of a careful analysis discloses the fact that only about 40% of industrial plants are furnishing good light to their workers and 60% are operating under poor lighting. It is hard to understand why such a proportion of concerns can be satisfied with a condition which is universally admitted to be a curtailer of efficiency and a prolific causer of accidents. The principal cause of this condition is that those in charge of such establishments have not given the attention to lighting that it demands. They do not know what constitutes good lighting, and in their absorbing interest of other factors of production have overlooked a vital one.

Every safety official should deeply interest himself in the lighting of his plant and insist upon good lighting as much as good goggles, good guards and other necessary accident prevention equipment. Every production manager should insist upon good lighting because the efficiency of the working force is increased by the condition of the lighting furnished. The plant physician should examine the lighting, for eye strain and eye fatigue are directly affected by poor lighting, as is the hygienic condition. Well lighted plants are invariably cleaner than poorly lighted places. Plants equipped with Factrolite Glass in all windows are well lighted.

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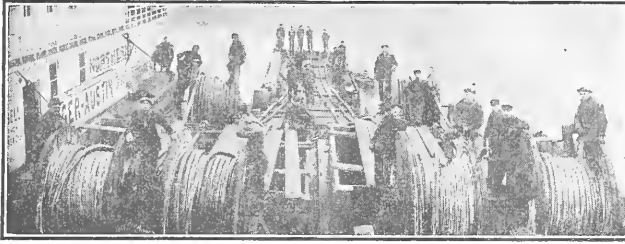
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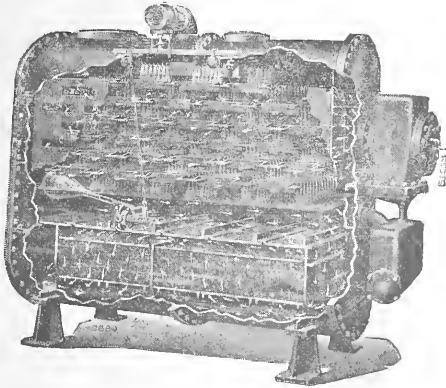
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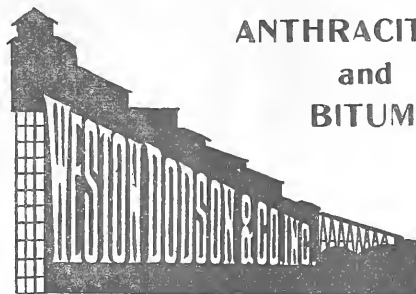
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